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EIGHTEENTH ANNUAL REPORT

Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill

SEASON OF NAVIGATION

1946

DEPARTMENT OF TRANSPORT

HON. LIONEL CHEVRIER, Minister

OTTAWA

EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
KING'S PRINTER AND CONTROLLER OF STATIONERY

1947

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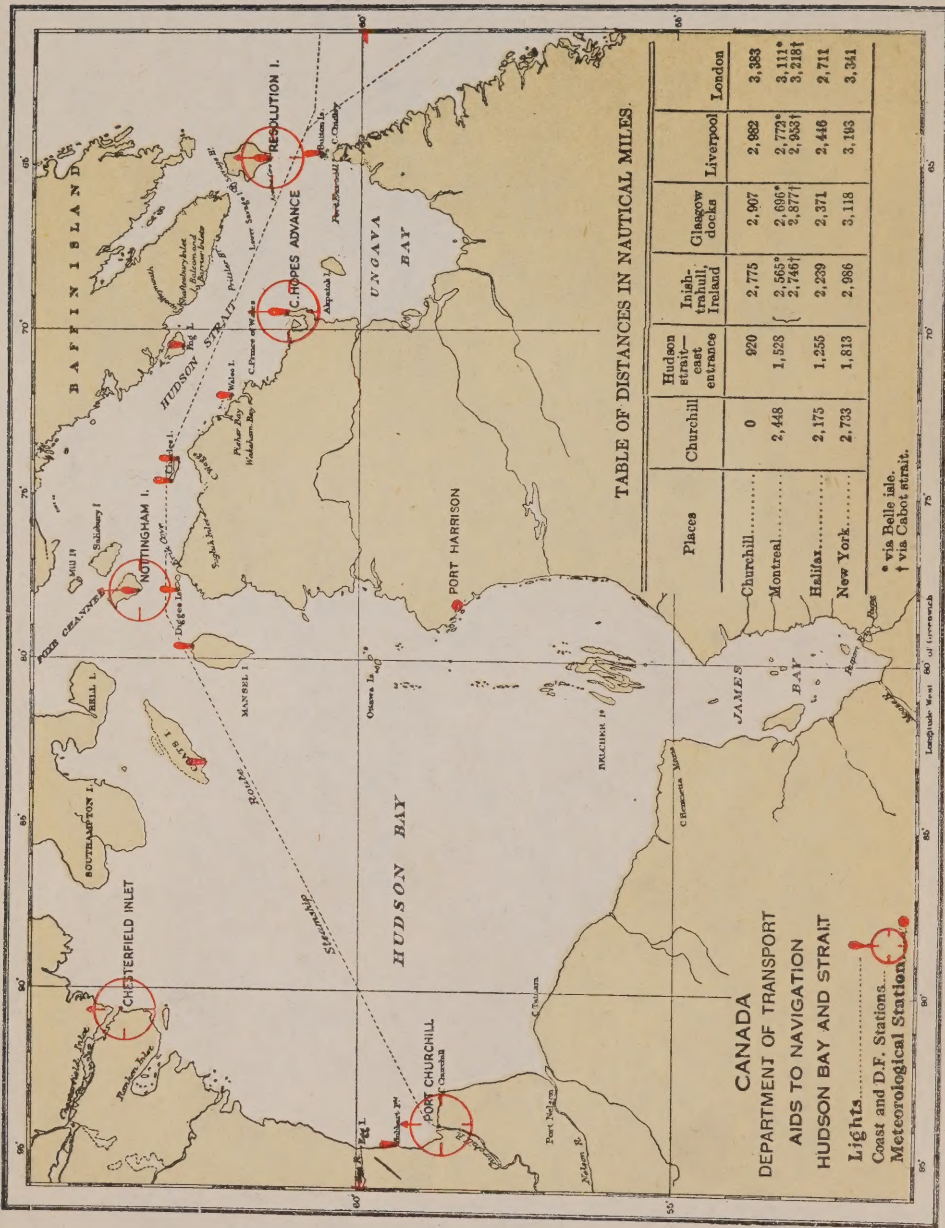


TABLE OF DISTANCES IN NAUTICAL MILES.

Places	Churchill	Hudson Strait—entrance	Insh. Inland, Ireland	Glasgow docks	Liverpool	London
Churchill.....	0	920	2,775	2,907	2,882	3,383
Montreal.....	2,448	1,523	2,565	2,772	2,772	3,111
Halifax.....	2,175	1,255	2,496	2,696	2,696	3,218
New York.....	2,733	1,813	2,239	2,371	2,446	2,711
			2,986	3,118	3,193	3,341

• vis Belle Isle
† via Cabot Strait.

CANADA
DEPARTMENT OF TRANSPORT
AIDS TO NAVIGATION
HUDSON BAY AND STRAIT
Lights.....
Coast and D.F. Stations.....
Meteorological Station.....



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C. P. EDWARDS, Esq.,
Deputy Minister,
Department of Transport,
Ottawa, Ont.

SIR—I have the honour to submit the Eighteenth Annual Report on Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill. This report covers the season of navigation, 1946.

The report is compiled from information received from The Hudson's Bay Company vessel R.M.S. *Nascopie*, Masters of vessels plying this route, the National Harbours Board, and the Meteorological and Radio Services of the Department of Transport.

Yours respectfully,

G. C. W. BROWNE,
Controller of Radio.

DEPARTMENT OF TRANSPORT,
OTTAWA, May 1, 1947.

EIGHTEENTH ANNUAL REPORT

Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill Season of Navigation, 1946

Synopsis of Report

OPENING OF NAVIGATION

The change from winter conditions extended, as usual, over a period of several weeks and during that time the quantity and state of drifting ice varied from day to day according to the influence of winds and currents.

The dates of the final disappearance of ice from the vicinity of the reporting stations were as follows:—

Hudson Strait, East End

Resolution Island.....July 13

Hudson Strait, Central

Cape Hopes Advance.....July 3

Hudson Strait, West End

Nottingham Island.....July 29

Hudson Bay

Churchill.....July 4

Chesterfield Inlet.....July 21

Port Harrison.....July 29

Hudson Strait, General—

The C.G.S. *N. B. McLean* sighted a great number of icebergs off the northern Labrador Coast on her trip north in July. Numerous bergs and growlers were sighted in Hudson Straits with much open water when visibility permitted. In August no ice was sighted in the western part of the Straits nor was any reported by other ships in the vicinity.

CLOSING OF NAVIGATION

Hudson Bay

Chesterfield Inlet—Reported the Harbour and Bay frozen over to the horizon on November 6.

Churchill—Reported the Bay and Harbour still clear of ice on November 30.

Port Harrison—Reported heavy packed ice with open leads on August 8th. This ice was replaced by shore ice and by December 31 it extended to the islands off shore. On this date open water was still visible beyond islands.

Nottingham Island—Light ice was beginning to form along the shore in the early part of November. Close packed ice was reported extending to horizon on November 13.

Cape Hope Advance--Reported some slob ice in a northwesterly direction with open water to the north on November 28.

Resolution--Reported on November 20 that slob ice was visible in the strait. November 29 close packed slob ice extended to horizon.

FOG

The number of days on which fog was reported were as follows:—

—	July	Aug.	Sept.	Oct.	Nov.	Totals	
						1945	1946
Resolution.....	22	17	8	1	1	69	49
Cape Hopes Advance.....	10	14	8	3	0	49	35
Nottingham Island.....	3	11	4	3	0	20	21
Churchill.....	4	1	6	1	0	15	12
Chesterfield.....	2	4	0	0	3	6	9
Port Harrison.....	8	8	11	3	1	27	31

AIDS TO NAVIGATION

Radio

There are five radio direction finding stations on the Hudson Bay Route.

Detailed information regarding Radio Aids to Navigation will be found on page 68.

Hydrography

No survey was carried out this season. See page 19.

Lights

There were no additions to the lights, the numbers remaining at two watched and ten unwatched, a total of twelve lights, a list of which will be found on page 69.

Fog Signals

The explosive bomb signal which was installed at Resolution in 1935 is still in operation. It can be heard at a distance of between five and six miles and is fired at intervals of ten minutes on request of ships approaching Acadia Cove.

SHIPPING

Shipping for 1946 resumed comparable pre-war levels with 43 arrivals and departures at Churchill.

The *Hillcrest Park*, the second ship to arrive at Churchill on August 12, made a double voyage during the season of navigation. The first ship, the *Mount Revelstoke Park*, arrived Churchill on August 10 and the last ship leaving Churchill was the *Hillcrest Park* on September 19.

All grain vessels made an average passage of four days between Resolution and Churchill with no accidents being reported during the 1946 season of navigation.

G. C. W. BROWNE,
Controller of Radio.



Grain Elevator, Churchill, Man.

C.G.S. *N. B. McLEAN*, CAPTAIN C. A. CARON, MASTER,
VOYAGE TO HUDSON BAY AND STRAIT, 1946

June 29, 1946, the *N. B. McLean* left Quebec at 6.30 a.m. for the annual northern trip to the Hudson Bay and Strait. At 11.13 a. m. Coudres Island was abeam and Red Islet was passed at 4.45 p.m.

June 30, 10.12 a.m., 5.8 miles off Pointe des Monts on course 067 true. Abeam West Point 9.03 p.m. course 090 true and at 10.43 p.m. passed 3 miles off North Point on course 091 true. Midnight position was latitude $49^{\circ} 59' 48''$ north, longitude $63^{\circ} 48' 48''$ west. Average speed 9.5 knots.

July 1, Ship on course 090 true and at 8.22 a.m. passed 8.5 miles off Natashquan Point with fair visibility. Passed through thick fog 2.25 p.m. and arrived off Cape Whittle 3.00 p.m. on course 049 true. Thick fog shutting in at 8.00 p.m. and speed decreased to an average of 3 knots. Midnight position latitude $50^{\circ} 29' 00''$ north, longitude $58^{\circ} 25' 30''$ west.

July 2, Ship on course 049 true with an average speed in fog 5 knots. Noon off Point Amour, on course 065 true and speed 5 knots. Arrived Cape Norman at 5.08 p.m. and anchored for the night awaiting better landing conditions.

July 3, Too much swell to load boats alongside and ship remained at anchor for the day awaiting better conditions.

July 4, Ship at anchor Cape Norman. Tried to land supplies at 8.00 a.m. but too much swell to load boats. Commenced landing supplies 3.00 p.m. and by 5.30 p.m. all supplies were ashore.

July 5, Left Cape Norman at 3.30 a.m., proceeded to S.W. Belle Isle and anchored there at 7.15 a.m. Commenced landing passengers and supplies.

July 6, Finished landing supplies at Cape Norman at 1.00 p.m. and then proceeded Cape Bauld, anchoring there at 3.00 p.m. We commenced landing supplies but by 7.00 p.m. the swell was so heavy we proceeded to Cape Raven for shelter.

July 7, Proceeded to Cape Bauld and landed remainder of supplies and then back to Cape Raven. Anchoring at the Cape, the gyro compass, which had been giving trouble, was stopped and cleaned.

July 8, Anchored Cape Raven.

July 9, Left Cape Raven at 9.30 a.m., proceeded towards S.W. Belle Isle. Arriving S.W. Belle Isle, we landed the Doctor to take care of a sick man and then proceeded to N.E. Belle Isle. After landing oil and supplies at the station we remained at anchor for the night.

July 10, Left N.E. Belle Isle at 8.00 a.m. and commenced calibrating the Radio Direction Finding Station. Fog prevented completion of the calibrating and so returned to anchor in Lark Cove.

July 11, Left Lark Cove at 7.00 a.m. and completed calibration of the Belle Isle Direction Finding Station at 12.30 p.m. From Belle Isle, proceeded north passing 3 miles off Double Island on course 000 true. At 9.35 p.m. 3.5 miles off Roundhill Island. Midnight position latitude $53^{\circ} 40' 20''$ north, longitude $53^{\circ} 49' 30''$ west.

July 12, Passed Gready Island at 5.30 a.m., Georges Island at 9.00 a.m. and anchored Saddle Island at 11.30 a.m. in order to check Shag Rock buoy. After painting the buoy we left Saddle Island, passed Eskimo Island 5.15 p.m. and anchored for the night off Green Island.

July 13, Left Green Island at daylight and proceeded to Brule Point. While anchored at the Point, one launch took supplies to the base and the other worked on buoys near the ship.

July 14 and 15, Remained at anchor Brule Point, strong N.W. and N.E. winds preventing any work being done on buoys.

July 16, Motor boat sent to N.W. River to get a scow required for unloading a truck for the base. While the truck was being taken ashore, two buoys were placed.

July 17, Launch returned with scow to N.W. River, replacing missing buoys and painting others while en route.

July 18, Left Brule Point and proceeded N.W. River where fresh water was boated until 10.00 p.m. Remained at anchor for the remainder of the night while gyro compass technician, who came aboard several days before, completed repairs on the compass.

July 19, Left N.W. River at 6.00 a.m. and with rain and light fog proceeded Cullingham Cove. Remained at anchor Cullingham Cove until July 23 making further tests on gyro compass.

July 23, After landing gyro compass technician at Rigolet we proceeded north. Passed Georges Island 10.00 a.m., off East Rock 1.30 p.m. and passed 2.5 miles off Bulldog Island at 3.30 p.m. Course 000 true and average speed 10 knots. Midnight position latitude $56^{\circ} 03'$ north, longitude $57^{\circ} 50'$ west.

July 24, Ship on course 330 true with average speed of 9.5 knots, passing through strings of open ice and growlers. Open water reached at position latitude $57^{\circ} 07'$ north, longitude $59^{\circ} 00'$ west, on course 330 true. Arrived at edge of ice field at 8.00 p.m. position latitude $58^{\circ} 40'$ north, longitude $60^{\circ} 50'$ west. Course altered to 070 true for 20 miles then to 000 true while passing through strip of loose ice. Midnight position latitude $58^{\circ} 59'$ north, longitude $60^{\circ} 13'$ west.

July 25, Ship on course 330 true steaming in open ice and fog at various speeds according to the visibility. Midnight position latitude $60^{\circ} 35'$ north, longitude $62^{\circ} 25'$ west.

July 26, Proceeding through fog and ice at various speeds and courses averaging 300 true. With bearings given every four hours by Cape Hopes Advance and Resolution Island Direction Finding Stations we arrived 10 miles off Resolution Island in thick fog, and at midnight the ship was stopped until daylight.

July 27, Ship stopped in fog. At 4.00 a.m. proceeded on course 270 true at various speeds through ice and fog. At 12.44 p.m. fog lifted and we proceeded full ahead through scattered ice towards Resolution Island. At 4.40 p.m. 0.5 miles off Acadia Cove with ice everywhere in both East and West Passage as well as the landing. Unable to make landing consequently left for Cape Hopes Advance. Midnight position latitude $61^{\circ} 18'$ north, longitude $66^{\circ} 39'$ west.

July 28, Ship steaming through open ice until arrival off Cape Hopes Advance at 10.25 a.m. With ice lying off shore about one mile, supplies and personnel were landed, then, since the ice was closing inshore, the boats were taken aboard and we proceeded towards Wakeham Bay. Midnight position latitude $62^{\circ} 04'$ north, longitude $71^{\circ} 08'$ west.

July 29, Ship underway towards Wakeham Bay with ice extending about 20 miles off the southern coast. Arrived Wales Island at 5.30 a.m. and after

servicing the light proceeded to the R.C. Mission at Wakeham Bay where provisions were landed. Leaving the Mission, we anchored at the head of the Bay and made ready to boat fresh water.

July 30, Boated 150 tons of fresh water while at anchor at the head of Wakeham Bay.

July 31, Leaving Wakeham Bay at 4.45 a.m., we found open water with ice extending 20 miles off the coast. Entered clear water at 8.34 a.m., course 101 true, proceeding Resolution Island. Many large bergs were seen in open ice on both sides of our course in the vicinity of Gabriel Strait. Midnight position latitude $61^{\circ} 25'$ north, longitude $66^{\circ} 21'$ west.

August 1 to 7, Ship anchored Acadia Cove supplying information to ships regarding navigation conditions and waiting for an opportunity to recalibrate Resolution Island Direction Finding Station. Supplies were landed and all necessary shore work was completed but no calibration was made since rain and fog prevailed during our entire stay at this station.

August 7, Left Acadia Cove at 4.00 p.m. steaming in open water and clear weather until 5.30 p.m. At 5.30 p.m. entered dense fog on course 270 true.

August 8, Position at midnight latitude $61^{\circ} 21'$ north, longitude $57^{\circ} 18'$ west. Ship on course 270 true with speed according to visibility. Calm weather with fog and drizzle prevailed. Made an attempt to anchor at noon and again at 6.00 p.m. but as there was a heavy surf breaking on shore returned to a position off Cape Hopes Advance for the night.

August 9 to 11, Anchored off Cape Hopes Advance in Diana Bay landing supplies at the Radio Direction Finding Station.

August 11, Left Cape Hopes Advance at 2.00 p.m. for Charles Island.

August 12, Lighted Charles Island East and West End lights. After servicing the lights proceeded towards Erik Cove.

August 13 to 15, Anchored Erik Cove 7.45 a.m. and landing all provisions for the R.C. Mission at Ivugivik. Took aboard Eskimo family for Nottingham but as weather conditions were unfavourable at that station for landing we remained at anchor, boating fresh water at Erik Cove.

August 15 to 19, Left Erik Cove and anchored at Nottingham Island Radio Station. Commenced landing supplies and personnel immediately.

August 19, Left Nottingham Island at 3.55 a.m. and returned to Erik Cove where the gyro compass was stopped and cleaned.

August 20, Left Erik Cove to service lights on Digges Island. There was too much surf at Digges Island and we carried on to Mansel Island. After servicing Mansel Light at 4.00 p.m. we steamed towards Coats Island.

August 21, Serviced Coats Island light at 7.00 a.m. then proceeded back to Digges Island.

August 22 to 26, Serviced Digges Island light, then proceeded to Erik Cove anchoring there at noon to await completion of shore work at Nottingham Island Radio Station.

August 26, Left Erik Cove for Nottingham Island. Recalibrated visual sector of the Direction Finding Station. Fog closed in at 4.00 p.m. and as there was a fresh S.W. wind we returned to Erik Cove for shelter.

August 27, Remained at Erik Cove boating fresh water as weather unfavourable for carrying on work at Nottingham Island.

August 28, Left Erik Cove and proceeded Nottingham Island, completed calibration of this station, took aboard personnel that were servicing station and left for Cape Hopes Advance at 6.00 p.m.

August 30, At 6.30 a.m. ship stopped at Cape Hopes Advance Radio Station. Landed personnel and remainder of supplies and completed the recalibration of the station. This work completed at 6.35 p.m., proceeded back to Nottingham Island.

August 31, Arrived Nottingham Island 11.30 p.m. and anchored for the night.

September 1 to 3, The *N. B. McLean*, after taking aboard personnel at Nottingham, proceeded to Southampton, arriving there at 9.45 a.m. Landed personnel and took aboard fifteen tons of cargo.

September 3 to 5, After taking on passengers and baggage at Southampton we left at 10.30 a.m. for Churchill. The trip to Churchill was made with the best of weather conditions.

September 5 to 19. Arrived Churchill at 2 p.m. While remaining at Churchill the crew was kept busy cleaning and painting the ship in pre-war colours. All harbour buoys were painted and the Harbour Light checked and found in good condition.

September 19 to 20, After calibrating Churchill Direction Finding Station over an arc limited at either extremity by shallow water, we proceeded towards Nottingham Island.

September 21, Encountering a heavy N.E. gale, we reduced speed for an hour between 2 p.m. and 3 p.m. as the ship was rolling and pitching heavily.

September 22, Upon arrival at Nottingham Island, the Doctor was sent ashore to attend a native with broken legs. All fresh supplies were landed and then, taking on board the injured native, we proceeded towards Coral Harbour.

September 23 to 26, Arrived Coral Harbour, Southampton Island, in the forenoon. Landed fifteen tons of provisions for the R.C. Mission and the Hudson's Bay Post.

September 26, Left Southampton Island and proceeded towards Erik Cove with cargo for the Ivugivik R.C. Mission.

September 27 to 28, Landed provisions Erik Cove and then proceeded towards Wakeham Bay.

September 29, After boating fresh water and landing provisions at Wakeham Bay R.C. Mission, we left at 3 p.m. for Cape Hopes Advance.

September 30, Arriving Cape Hopes Advance, fresh provisions were landed and returning personnel taken aboard, after which we proceeded to Resolution Island.

October 1, Anchored at 11 a.m. Acadia Cove, Resolution Island. After completing all work at the radio station we left at 1.00 p.m. for Quebec.

October 2, Noon position latitude $57^{\circ} 25'$ north, longitude $59^{\circ} 27'$ west.

October 3, Noon position latitude $53^{\circ} 54'$ north, longitude $54^{\circ} 52'$ west. Encountered fog off Bull Dog Rock and visibility was very poor until we reached Belle Isle.

October 4, Noon position latitude $50^{\circ} 10'$ north, longitude $59^{\circ} 30'$ west.

October 5, Noon position latitude $49^{\circ} 23'$ north, longitude $66^{\circ} 46'$ west. We ran into haze and light fog in the evening while off Father Point after having had clear weather all the way from Belle Isle. Light fog and haze continued until our arrival Quebec.

October 6, Arrived Kings Wharf, Quebec, at noon, thus ending another very successful trip in the Hudson Bay and Strait.

Hours underway during entire trip: 905 hours 26 minutes.

Distance steamed: 7,639.5 nautical miles.

ICE CONDITIONS

On our way north at the beginning of July we were in fog between Cape Whittle and Cape Norman and no icebergs were sighted but when the fog cleared on July 2 at Cape Norman a large berg and growlers were sighted two miles off the Cape. On July 5 while off Belle Isle 20 large bergs were seen 10 to 20 miles west of Belle Isle, most of them in the vicinity of Chateau Bay. On the following day three big bergs were observed near the landing at the west end of Belle Isle. On July 10, while calibrating the Direction Finding Station, 15 bergs of various sizes were in sight west and north west of Belle Isle and three large bergs east south east from the south east end of the Island.

July 11 on our way north from Belle Isle 20 bergs were seen between noon and darkness on each side of course 000 true and on the following day many fair sized bergs were sighted inside Gannet Islands up to Georges Island.

Leaving Cullingham Cove on July 23, from latitude $54^{\circ} 30'$ north, longitude $56^{\circ} 15'$ west, the bergs were so numerous that it was difficult to keep track of them. Around Bulldog Island there were about 50 bergs. Icebergs were constantly observed on either side of course 330 true until dark.

July 24 from latitude $56^{\circ} 43'$ north, longitude $58^{\circ} 29'$ west to latitude $57^{\circ} 07'$ north, longitude $57^{\circ} 00'$ west we encountered strings of scattered ice with many bergs and growlers. North of the latter position we were in clear water. At position latitude $57^{\circ} 18'$ north, longitude $59^{\circ} 10'$ west, although still in open water, several bergs were sighted on either side of course 330 true.

At 9.00 p.m., on July 25, we arrived at the edge of field ice in latitude $58^{\circ} 40'$ north, longitude $60^{\circ} 50'$ west which extended to the shore in a south-westerly direction. At latitude $60^{\circ} 00'$ north, longitude $60^{\circ} 00'$ west, after steaming along the edge of the field for 20 miles on course 070 true, we shaped a course to put us 15 miles off Resolution Island.

On July 27 we arrived off Resolution Island after steaming through open ice and clear water under conditions of poor visibility.

At Resolution Island visibility improved and ice could be seen extending to the horizon in a southerly direction. Ice also was close inshore at Resolution Island consequently a course of 270 true was laid for Cape Hopes Advance along the northern edge of the field ice. We encountered some strings of ice and numerous bergs and growlers were visible in the open water on our northern side.

On July 28, from Cape Hopes Advance to Wakeham Bay, open water extended 20 to 25 miles off the southern shore with many bergs and growlers.

July 31 on our way back to Resolution Island, ice was still 20 miles off shore along the southern coast with numerous bergs along this northern side of the Strait and some strings of ice were encountered off Gabriel Strait prior to our arrival Resolution Island on August 1.

Between August 1 and 7 we were anchored Acadia Cove and, when visibility permitted, many bergs and growlers could be seen drifting off Resolution Island. Occasionally fair sized pieces of ice drifted into Acadia Cove itself.

Leaving Acadia Cove for Cape Hopes Advance on August 7 many bergs of various sizes along with growlers were sighted on both sides of course 270 true.

On August 9 at daylight visibility was fair at Cape Hopes Advance and 5 bergs could be seen within a distance of 10 miles in a north easterly direction and one berg was aground on the 27 fathom contour, near rock in Diana Bay. Between August 10 and 12 several small bergs and growlers were seen off Cape Hopes Advance.

On August 12 while at anchor Charles Island a large berg could be seen aground on the eastern end of Foreman Island in about 35 fathoms of water.

From Charles Island to Erik Cove on August 13 ice was encountered 10 miles east of Erik Cove extending 4 to 8 miles off shore. This condition lasted until August 24.

August 26 on our way across to Nottingham only a few growlers were seen while on course 328 true.

No ice was seen between Nottingham Island and Cape Hopes Advance on August 28 but on August 30 with good visibility 7 long, flat bergs could be seen 10 to 15 miles east and north of Cape Hopes Advance.

On our way back to Nottingham and Southampton Islands on August 31 no ice was seen west of Big Island nor was there any ice seen between Southampton Island and Churchill where we arrived on September 5.

As the C.G.S. *McLean* was in the western part of the Strait for the most part of September no ice was sighted and none was reported by ships in that vicinity.

On September 30, in going to Resolution Island, 2 bergs were noticed aground in Diana Bay and a few bergs were seen in the center of the Strait.

On October 1 with some bergs and growlers in sight we left Resolution Island for Quebec. On both October 1 and 2 we passed a number of bergs but on October 3 we sailed in fog as far as Belle Isle consequently no ice was sighted.

DATES ON WHICH LIGHTS IN HUDSON STRAIT WERE PUT INTO SERVICE BY C.G.S. *N. B. McLean*

Resolution Island—In service on arrival, examined on August 7.

Coral Harbour—Serviced on Sept. 3.

Digges Island—Serviced on August 22.

Coats Island—Serviced on August 21.

Mansel Island—Serviced on August 20.

Wales Island—Serviced on July 29.

Nottingham Island—Serviced on August 16.

Charles Island, West End—Serviced on August 12.

Charles Island, East End—Serviced on August 12.

Cape Hopes Advance—In service on arrival, examined on August 30.

All the above lights were found to be in good condition and were still lighted when the ship left Hudson Strait on October 1, 1946.

R.M.S. *NASCOPIE*, CAPTAIN JAMES WATERS, MASTER
REPORT ON VOYAGE FROM MONTREAL TO CHURCHILL, 1946

EXTRACTS FROM MASTER'S REPORT

MONTREAL TO CARTWRIGHT:

July 6. The *Nascopie* sailed from Montreal at 11.03 a.m. Except for five hours of fog and icebergs, steaming conditions were good and we arrived in Cartwright on July 11 at 7.05 a.m.

CARTWRIGHT TO LAKE HARBOUR:

July 12. Sailing from Cartwright at 4.17 a.m. we encountered many bergs and growlers and about 80 miles from Cape Chidley much heavy ice forced us to steer much further to the eastward than usual. Heavy ice was met all the way and thick fog set in before we passed Resolution Island. No land was sighted until we were 80 miles from Lake Harbour where there was no ice at all. We arrived at Lake Harbour on July 18 at 6.03 a.m.

LAKE HARBOUR TO SUGLUK:

July 20. Sailing from Lake Harbour at 4.33 a.m. we met very heavy ice 50 miles offshore and discovered that the ice was solidly packed between Charles Island and the shore which necessitated my taking the route north of the Island. We arrived at Sugluk after encountering much loose floe ice on July 21 at 6.10 a.m. Discharging was delayed here for six hours owing to a gale which suddenly sprang up.

SUGLUK TO WOLSTENHOLME:

July 22. Having received some adverse ice reports and in view of our being behind schedule, I decided to go to Wolstenholme to avoid two crossings of the Straits which were obviously full of ice. A few hours of fog delayed our arrival there until July 23 at 4.20 a.m.

WOLSTENHOLME TO CAPE DORSET:

July 23. Sailing from Wolstenholme at 8.33 p.m. we met much scattered heavy pan ice but having clear weather we arrived at Cape Dorset on July 24 at 8.44 p.m.

CAPE DORSET TO SOUTHAMPTON ISLAND:

July 25. Sailing from Cape Dorset at 12.24 p.m. I took the route north of Salisbury Island as I knew from reports that the route south of Nottingham Island was full of ice. We met practically no ice at all until we arrived at Southampton Island on July 27 at 7.18 a.m.

SOUTHAMPTON ISLAND TO CAPE SMITH:

July 30. Sailing from Southampton Island at 12.11 p.m. we met very little ice until our arrival at Cape Smith. Here, many large pans floating in and out of the anchorage with the tide impeded the discharge of cargo as the scows were sometimes held ashore, being unable to round the ice pans with safety. We arrived at Cape Smith on July 31 at 8.17 p.m.

CAPE SMITH TO PORT HARRISON:

August 1. At 7.13 p.m. we sailed from Cape Smith in dense fog which remained with us all the way to within 14 miles of Port Harrison. Shortly after leaving Cape Smith we ran into heavy close packed ice which, in conjunction with the dense fog, made progress very difficult indeed and at night

impossible. I may say I have never seen such heavy ice in Hudson Bay before. The ice remained close packed and heavy until the very entrance of Port Harrison which, luckily enough, was clear and discharging of cargo was not impeded. We arrived at Port Harrison on August 8 at 5.25 p.m.

PORT HARRISON TO CHURCHILL:

We left Port Harrison on August 11 at 4.32 p.m. and ran out of the heavy ice about midnight, thereafter we met no more ice. We arrived at Churchill on August 14 at 10.30 a.m. and waited outside for four hours until the tide suited our entering.

S.S. *ESSEX TRADER*

REPORT BY CAPTAIN H. L. YOUNG, MASTER

During the outward voyage fine weather was experienced and the first iceberg was sighted in approximately latitude 58 degrees 30 minutes north and longitude 42 degrees west. From this position scattered icebergs were seen. In the Hudson Strait, during the outward and homeward voyages numerous icebergs were observed. Great precaution must be used in this Strait, as the icebergs are on the track vessels must take. Once the vessel is clear of the Hudson Strait and enters Hudson Bay, there is no danger of icebergs.

The D.F. Stations gave us excellent bearings and the vessel's position could be accurately obtained at any time. From my experience, I should say the only danger on this run is the numerous icebergs and if great precaution is taken and the vessel is stopped during fog patches, the risk of striking an iceberg is indeed very slight.

With reference to the weather, we were fortunate in having a slight sea and fog patches were experienced from approximately longitude 45 degrees west until we entered Hudson Bay.

Port Churchill.—Vessels proceeding to Port Churchill to load grain should have on board two good coir springs fore and aft, as the tides alongside the loading berths are very strong. On my first visit, three ships broke away from their forward moorings. The loading facilities at Port Churchill are excellent but vessels are slowed up owing to the shortage of trimmers.

S.S. *ESSEX TRADER*

Date	Position		Remarks
	Lat. N.	Long. W.	
1946			
July 31	.....	.....	Left Greenwich at 5.28 p.m. Slight sea, fine and clear.
Aug. 1	.....	.....	Slight sea, fine and clear.
Aug. 2	.....	.....	Moderate sea and swell.
Aug. 3	.....	.....	Moderate sea and swell.
Aug. 4	.....	.....	Moderate sea and swell.
Aug. 5	.....	.....	Moderate sea and swell.
Aug. 6	57-30	34-00	Fog patches.
Aug. 7	58-30	42-00	Slight sea, moderate swell, large icebergs sighted.
Aug. 8	.....	.....	Slight sea, moderate swell, large icebergs sighted.
Aug. 9	60-37	61-50	Dense fog patches and numerous icebergs.
Aug. 10	.....	.....	Numerous icebergs. 10.35 p.m. Charles Island abeam.
Aug. 11	.....	.....	Numerous icebergs and growlers, smooth sea.
Aug. 12	.....	.....	Slight sea, cloudy and clear.
Aug. 13	.....	.....	Arrived Port Churchill.
Aug. 20	.....	.....	Left Port Churchill.
Aug. 21	.....	.....	Slight sea, fine and clear.
Aug. 22	.....	.....	Numerous ice floes off Digges Island, slight sea, cloudy and clear.
Aug. 22	Charles Island abeam		
Aug. 23	.....	.....	Smooth sea, fine and clear, numerous icebergs and growlers.
Aug. 24	60-36	60-10	Numerous icebergs.
Aug. 25	59-54	52-12	Midnight until 3 a.m. stopped for dense fog and ice. 8.05 p.m. rung stand-by. 8.26 p.m. slow speed, dense fog and icebergs.
Aug. 26	59-11	45-22	Rough sea, cloudy and clear, numerous icebergs. 10 p.m. clear of all icebergs.
			Remainder of voyage, slight to rough sea.

S.S. DALCROSS

EXTRACT OF REPORT FROM THE MASTER

Approach.—Although the grain elevator can be seen at a distance of about fifteen miles, it is very difficult to pick out the entrance, numerous inlets resembling the entrance makes it rather confusing for a first voyager. Fort Prince of Wales, to the northward of the entrance is a good landmark once you know its location.

Magnetic Disturbance.—Considerable magnetic influence is experienced on the magnetic compass in the Hudson Bay on approaching Churchill, and also along the Hudson Strait, which at times makes it impossible to check the compass deviation, owing to the constant swinging of the card.

Ice.—Numerous large bergs and growlers were encountered off Cape Farewell and the south west coast of Greenland, for a distance of about a hundred miles westward, apparently having drifted down the Davis Strait along the west coast. From there on to the Hudson Strait was clear of ice. On approaching the Hudson Strait numerous bergs and field ice were reported west of Cape Chidley in the Strait, making out of Ungava Bay. Ice patrol vessel *N. B. McLean* advised steer close to Resolution Island and along the north shore of the Strait where bergs were less frequent. Numerous large bergs were sighted in the Strait, and a small patch of field ice encountered on approaching Nottingham Island. No ice was seen or reported across the Hudson Bay on the Churchill route from Nottingham Island. The same was experienced on the homeward passage, although field ice was reported drifting out of the bay between Mansel Island and Wolstenholme, caused by a couple of days wind from the south west, but was not sighted. The bergs in the Hudson Strait differ considerably in appearance from those of the Davis Strait. Those of the Hudson Strait were nearly all flat topped, very white, and resembling huge masses of snow, whereas the bergs off Greenland were towering in height, with rugged peaks of bluish green colour, and appeared to be of more solid ice.

Weather and Navigation.—The usual fog was experienced, but it appeared to be more patchy and of less duration than that experienced on the Grand Banks of Newfoundland. The ice patrol ship *N. B. McLean* which patrols the Strait from Chidley to Hudson Bay will give very useful aids to navigation, reporting the position of ice in the Strait, and will advise the best course to steer to clear any ice. This vessel enters the Strait in July, services the lighthouses, calibrates the Radio D.F. Stations, and remains in the Strait until mid October, when the season of navigation closes. Direction Finding Stations on Resolution Island, Cape Hopes Advance, and Nottingham Island are very obliging in giving as many bearings, free of charge, as may be required, and will also report on ice and weather conditions in the Strait. The weather in Churchill itself during our stay there was very pleasant and warm, temperatures varying from 60 to 70 degrees F during the day and 40 to 52 during the night.

S.S. *DALCROSS*, CAPTAIN J. EVANS, MASTER

EXTRACTS FROM LOG, NEWPORT, ENGLAND TO CHURCHILL

Date	Position		Course	Wind		Visi- bility	Current		Remarks
	Lat. N.	Long. W.		Dir.	Force		Favour- able	Adverse	
1946									
Aug. 3...	51-21	7-08	Var.	W.	4	7	Tidal		Light sea, low swell.
Aug. 4...	52-50	13-19	Var.	S.	4	6	"		Moderate sea and swell.
Aug. 5...	55-00	19-10	302½	W.	4	5/7	4		Light sea, low swell.
Aug. 6...	56-44	25-30	296	W.	5	6		6	Moderate sea and swell.
Aug. 7...	57-58	32-28	288	NW.	6	6		4	Rough sea, moderate swell.
Aug. 8...	58-46	40-03	281½	NNW.	5	7		2	Moderate sea, moderate swell.
Aug. 9...	59-23	49-07	277½	Var.	3	7/8	16		Slight sea, low swell.
Aug. 10...	60-23	57-35	283	Var.	4	2/7		4½	Slight sea, low swell.
Aug. 10...	Reduced speed for fog and ice 9.15 p.m. Full speed 12.13 a.m.								
Aug. 11...	61-14	66-00	283	WNW.	3	4/7	Tidal		Slight sea, low swell.
Aug. 12...	62-44	74-08	Var.	Var.	1	½	"		Slight sea, low swell.
Aug. 12...	Speed reduced on several occasions owing to fog and proximity of ice.								
Aug. 13...	61-47	83-05	Var.	SW.	5	6	Tidal		Moderate sea.
Aug. 14...	59-41	90-54	240	W.	4	6/7	"		Light sea, low swell.
Aug. 15...	Arrived and anchored off Churchill.								

EXTRACTS FROM LOG, CHURCHILL TO AVONMOUTH, ENGLAND

1946									
Aug. 23...	60-45	87-00	063	SE.	5	7		Tidal	Moderate sea, low swell.
Aug. 24...	62-42	80-08	060	E.	3	4		"	Light sea, low swell.
Aug. 25...	62-25	72-00	Var.	Var.	2	3		"	Slight sea, low swell.
Aug. 25...	Reduced speed 9.13 p.m. Full speed 4.28 a.m. thick fog, proximity of ice.								
Aug. 26...	61-06	65-02	Var.	W.	3	4		Tidal	Light sea, low swell.
Aug. 27...	60-00	57-06	106	W.	4	6		"	Moderate sea, low swell.
Aug. 28...	59-14	49-59	102	Var.	3	5/6			Light sea, low swell.
Aug. 29...	58-33	43-30	102	E.	5	1/5			Moderately rough sea, low swell.
Aug. 30...	Speed reduced on number of occasions due to fog and ice.								
Aug. 30...	57-56	37-59	102	E.	7	4			Rough sea, moderate swell.
Aug. 31...	57-09	31-40	103	SW.	3	5			Light sea, moderate swell.
Sept. 1...	55-55	24-20	108	W.	5	7	27		Moderate sea and swell.
Sept. 2...	54-06	18-21	118	S.	5	6			Moderate sea and swell.
Sept. 3...	52-30	13-39	120	NE.	7	5/6	7		Rough sea, moderate swell.
Sept. 4...	51-14	8-46	Var.	NNE.	6	6		Tidal	Rough sea, moderate swell.
Sept. 5...	Bristol	Channel	Var.	W.	4	6		"	Moderate sea, low swell.

CHURCHILL

TRAFFIC

Shipping	1946	1945
Arrivals:—		
Number of vessels.....	21	9
Net registered tonnage.....	40,413	2,146
Departures:—		
Number of vessels.....	22	9
Net registered tonnage.....	40,510	2,146
Total Arrivals and Departures:—		
Number of vessels.....	43	18
Net registered tonnage.....	80,923	4,292
Water Borne Cargo Tonnage (Ton=2,000 lbs. weight or measure)		
Inward.....	93	30
Outward.....	93,651	1,077
Total.....	93,744	1,107



Coast near Sugluk Inlet, Hudson Strait.

This steep, glaciated rock formation is typical along shores of the Strait.

Hydrographic Information

The Hydrographic and Map Service, Surveys and Engineering Branch, Department of Mines and Resources, publishes a series of navigation charts and also a volume of Sailing Directions covering the Hudson Bay Route. These are kept up to date and added to from time to time as new information becomes available.

The "Tide Tables for the Atlantic Coast of Canada," published by the Tidal and Current Survey Division of the same Service, contain predictions for the port of Churchill and for Moosonee in James Bay. Tables in leaflet form are available for Port Nelson. Tidal differences for fourteen localities in Hudson Strait and for eight localities in James Bay afford the times of high and low waters in these areas. The time of the turn of the tidal streams in the southern offing of Resolution and Nottingham Islands, and information on the currents in Digges Sound is also given. The automatic tide gauge is kept in operation each season at Churchill for the extension of the tidal records by which the predictions are improved.

HYDROGRAPHIC PUBLICATIONS—HUDSON BAY AND STRAIT

Charts—

5418 Churchill Harbour.	5409 Churchill Harbour to Hubbart Point.
5417 Approaches to Nelson River.	5403 Pritzler Harbour to Cape Weymouth.
5404 Anchorages in Hudson Strait.	Balcom and Barrier Inlets.
Sugluk Inlet.	Shaftsbury Inlet.
Port Burwell.	
Button Islands.	5416 Mouth of Moose River.
5000 Hudson Bay and Strait.	5414 Rupert Bay.
5406 Cape Tatnam to Port Nelson.	5415 Mouth of Rupert River.
5407 Anchorages in Hudson Strait.	5411 Lower Savage Islands to Pritzler Harbour.
Charles Inlet.	Pritzler Harbour.
Savage Harbour.	5412 Erik Cove to Nuvuk Harbour including Digges Islands.
Acadia Cove.	Erik Cove.
5408 Cape Churchill to Churchill Harbour.	Port de Laperriere.
5400 Cape Churchill to Egg River.	Nuvuk Harbour.
5401 Wakeham and Fisher Bays and Approaches.	Digges Harbour.
Wakeham Bay.	5410 Coral Harbour.
Fisher Bay.	
5402 C. Prince of Wales to C. Weggs.	
Douglas Harbour.	

Sailing Directions—

Sailing Directions for the Hudson Bay Route.

Tide Tables—

Tide Tables for the Atlantic Coast of Canada.

Tide Tables for Port Nelson, Hudson Bay (in mimeograph form).

NOTE.—Copies of the above publications are available at the office of the High Commissioner for Canada, Canada House, London, England, for reference only. Charts and Sailing Directions are issued at 50 cents and Tide Tables at 25 cents per copy and may be obtained from the Hydrographic Service, Surveys and Engineering Branch, Department of Mines and Resources, Ottawa, or from the National Harbours Board Office, Churchill, Manitoba. All orders must be accompanied by postal or express money order, for the full amount, payable to the Receiver General for Canada.

METEOROLOGICAL REPORT FROM C.G.S. N. B. McLEAN

Date	Noon Position	Barometer		Temperature °F.		Wind True				Hour of Fog	Remarks				
		8 a.m.	4 p.m.	Air		Sea	4 a.m.		4 p.m.		12 p.m.				
				Max.	Min.		Temp.	Dir.	F.	Dir.		F.	Dir.	F.	
June, 1946															
29	Off Goose Cape.....	30.00	29.98	70	47	50		2	N	5	2	Cloudy and haze.....	5	Cloudy and haze.....	6
30	49 21.5 N 66 51 W.....	29.99	29.96	57	46	48		2	SE	2		Cloudy and haze.....	8	Cloudy and haze.....	6
July															
1	49-56-N 60 49 W.....	29.80	29.76	52	44	46		0	E	3	3	Cloudy and haze.....	5	O'cast, thick fog.....	0
2	51 27.1 N 56 42.55.....	29.55	29.55	51	48	45		4	SSW	3	3	O'cast and thick fog.....	0	O'cast and thick fog.....	0
3	Cape Norman.....	29.63	29.71	52	48	45		6	SW	6	6	O'cast and clear.....	7	O'cast and clear.....	7
4	".....	29.82	29.76	54	42	45		5	SW	4	4	Cloudy and clear.....	9	O'cast and clear.....	7
5	SW Belle Isle.....	29.86	29.94	48	42	38		5	SE	2	2	Cloudy and haze.....	8	Cloudy and haze.....	8
6	".....	30.00	29.92	49	41	40		4	SE	3	3	Cloudy and clear.....	8	Cloudy and clear.....	8
7	Cape Bauld.....	30.04	30.10	46	43	44		4	NE	3	3	Cloudy and fog.....	2	Cloudy and fog.....	0
8	Off Cape Raven.....	30.01	29.99	47	42	45		2	S	3	3	Cloudy and fog.....	2	Cloudy and fog.....	0
9	Off SW Belle Isle.....	30.04	30.04	60	46	47		0	SSW	4	4	Cloudy and haze.....	7	Cloudy and haze.....	6
10	Off SW Belle Isle.....	29.93	29.79	58	46	45		3	SSE	5	5	Cloudy and haze.....	6	Cloudy and haze.....	5
11	Off Belle Isle.....	29.56	29.36	76	56	59		3	W	4	4	Cloudy and clear.....	8	Cloudy and clear.....	8
12	Off Saddle Isle.....	29.41	29.38	66	56	59		5	W	4	4	Cloudy and clear.....	9	Cloudy and clear.....	8
13	".....	29.61	29.70	56	51	57		2	NE	7	7	O'cast and rain.....	7	Fog and rain.....	8
14	".....	29.74	29.76	52	48	56		4	WSW	5	5	Cloudy and clear.....	9	Cloudy and clear.....	8
15	".....	29.74	29.75	62	46	56		2	E	1	1	Cloudy and clear.....	9	Cloudy and clear.....	8
16	".....	29.82	29.79	67	56	56		1	NNE	1	1	Cloudy and clear.....	9	Cloudy and clear.....	8
17	Off NW River.....	29.77	29.64	63	56	56		6	NNE	5	5	Rain and fog.....	3	Cloudy and clear.....	7
18	Off St. John Isle.....	29.64	29.83	54	40	43		1	W	1	1	Cloudy and fog.....	9	Cloudy and fog.....	7
19	Cullingham Cove.....	29.88	29.84	55	43	42		3	W	2	2	Cloudy and clear.....	8	Cloudy and clear.....	8
20	".....	29.91	29.96	64	49	42		0	ENE	2	2	Cloudy and clear.....	8	Cloudy and clear.....	8
21	".....	30.00	29.94	68	43	45		2	C	0	0	Fine and clear.....	8	Fine and clear.....	9
22	54 24 N 56 56 W.....	29.96	29.97	66	48	45		2	NW	4	4	Cloudy and clear ice.....	7	Cloudy and clear ice.....	9
23	37 40 N 58 34 W.....	29.70	29.45	39	33	32		1	SW	3	3	Cloudy and clear ice.....	3	Cloudy and clear ice.....	9
24	60 12 N 61 40 W.....	29.32	29.37	38	32	32		0	W	3	3	O'cast, fog, ice field.....	3	O'cast, fog, ice field.....	0
25	Off Resolution Isle.....	29.47	29.52	34	32	32		2	WSW	3	3	O'cast, fog, ice field.....	2	O'cast, fog, ice field.....	0
26	Off Resolution Isle.....	29.57	29.68	38	33	32		2	SSE	1	1	O'cast, fog, ice field.....	2	O'cast, haze, ice field.....	8
27	Off Resolution Isle.....	29.67	29.68	38	33	32		2	E	3	3	Cloudy and clear.....	5	Cloudy and clear.....	9
28	Off Cape Hope Ad.....	29.68	29.70	40	35	34		1	SW	4	4	Cloudy and haze, ice field.....	5	Cloudy and clear.....	9
29	Wakeham Bay.....	29.73	29.79	61	35	36		1	NW	1	1	Cloudy and haze, ice field.....	9	Cloudy and clear.....	8
30	Wakeham Bay.....	29.73	29.92	59	50	42		2	N	4	4	Cloudy and clear, ice field.....	9	Cloudy and clear.....	8
31	61 53 N 70 15 W.....	29.96	29.92	52	40	34		2	SE	2	2	Cloudy and clear, ice field.....	9	Cloudy and clear, bergs.....	8
Aug.															
1	Acadia Cove, Resolution	29.73	29.55	42	39	33		6	WSW	5	5	O'cast, haze, light rain.....	4	Fog and rain.....	7
2	".....	29.55	29.70	40	36	33		2	WSW	3	3	Light fog and rain.....	2	Thick fog.....	1
3	".....	29.60	29.80	40	36	33		1	SE	2	2	Thick fog.....	1	Dense fog.....	0
4	".....	29.65	29.60	46	41	34		5	ENE	5	5	O'cast and clear.....	7	O'cast and clear.....	7
5	".....	29.63	29.65	43	38	34		5	E	5	5	O'cast and fog.....	2	Thick fog.....	1
6	".....	29.76	29.73	42	38	34		4	E	5	4	Dense fog.....	0	Dense fog.....	0
7	".....	29.78	29.84	42	36	34		2	ENE	2	2	O'cast, light rain, fog.....	3	O'cast heavy mist.....	4
8	61 15 N 69 52 W.....	29.98	30.00	48	37	35		2	N	2	2	Thick fog.....	1	Thick fog.....	1
9	".....	29.99	30.00	48	37	35		2	NE	3	3	Cloudy and clear.....	6	Cloudy, clear.....	5
10	Diana Bay, Cape Hope.....	29.98	29.98	48	38	34		4	NW	3	3	Fog, cloudy and clear.....	6	Fog, cloudy and clear.....	5
11	".....	29.92	29.95	45	38	34		1	NW	3	3	Fine and heavy mist.....	6	Cloudy, fog.....	3
12	Abeam East Light Charles Isle.....	29.89	29.84	47	37	37		2	SW	4	4	Cloudy and heavy mist.....	7	O'cast, rain.....	6
13	Erick Cove.....	29.72	29.60	43	37	37		4	E	3	3	Cloudy and clear.....	2	Cloudy, clear.....	7

[illegible]

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
July									
1	1010.1	40	32	E	10	ENE	21		
2	998.2	36		E	7	E	27		13
3	992.7	35	35	E	15	NNW	21	08	
4	1008.5		39	NW	21	W	5		
5	1016.3		37	W	5	W	5		
6	1015.4		32	W	15	W	15		
7	1011.0	32		SW	21	WNW	15		
8	1013.1		29	SE	10	W	15	01	
9	1017.5	33	33	W	10	W	10		
10	1016.0	40	34	Calm		E	21		02
11	1006.2	41	38	E	35	W	21	01	
12	995.8	38	35	ENE	27	ENE	35		42
13	992.8	34		NE	35	NEN	5	05	07
14	999.3		36	WNW	15	W	15		
15	1000.1	34		W	15	SSW	15		05
16	1021.6	36	27	E	10	W	15		
17	1000.0			W	15			Trace	
18	1008.8	37		S	5	N	0		
19	1012.3	39		NW	15	W	10		
20	1008.2	41		WNW	15	W	21		
21	1014.6	38		WNW	10	N	15		
22	1014.2		38	W	10	W	2		
23	1013.8		49	W	10	E	15		
24	999.4	37		NE	27	E	21		
25	995.2	40	39	E	15	N	21		
26	1000.0	37		Calm		W	15	01	
27	1004.7	40	35	Calm		S	2		
28	1007.4	39	36	E	5	NE	21		
29	1006.3	47	40	E	21	NE	35		
30	1011.4	46		E	27	Calm			
31				W	10				
August									
1									
2	1001.2			NW	2			17	
3	1010.4	44		W	10	ESE	5		
4	1004.4			W	21				Trace
5	1003.5	43				E	21		Trace
6	1006.9	42		E	35	E	27	Trace	
7									
8	1018.2	42				W	10		
9		46	38	NE	15	E	5		
10	1014.5	39	31	E	5	E	15		
11	1003.3	36	32	W	5	E	5		
12	1007.8	41	35	E	15	E	15		04
13	1003.6	30				E	10		
14	1004.0	40	34	SW	15	W	5	11	
15	1015.2		35	SW	5				
16	1002.7	45	35	Calm		W	5		
17	1001.6	36	33	W	10	W	15		
18	1000.4	38	34	W	10	SW	15		
19	1010.3	37	31	W	15	W	10		
20	1006.7	37	35	W	15	W	10		
21	1012.3	45	30			W	10		
22	1015.3	40	33	W	15	W	5		
23	1017.6	40	25	W	15	W	5		
24	1013.6		35	W	21				
25	990.3		40	Calm					
26	1014.6	39	34	W	15	W	10	09	
27	1009.6	38	35	W	10				
28	1006.1	40	35	WNW	5	ENE	15		
29	1004.0	37	35	NE	15	NW	10		
30	1000.4	34	34	N	5	W	10		
31	1000.5	41		S	5	E	15		80

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
July					
1	Fog, sky discern	Distant fog....	$\frac{1}{2}$	20	Loose drift ice, patches open water.
2	Heavy rain and snow.	Rain and fog....	2	$\frac{1}{2}$	" " "
3	Fog sky not disc.	Fog.....	$\frac{1}{2}$	2	Scattered drift ice, much open water.
4	Overcast.....	Partly cloudy..	2	9	" " "
5	Cloudy.....	Distant fog....	4	4	" " "
6	Overcast lgt fog	Partly cloudy...	4	30	" " "
7	Overcast.....	Fog.....	30	$\frac{1}{2}$	" " "
8	Overcast.....	Overcast.....	30	20	" " "
9	Fog.....	Fog.....	$\frac{1}{2}$	$\frac{1}{8}$	" " "
10	Overcast.....	Cont. slight rain	30	4	" " "
11	Drizzle and fog.	Cloudy.....	$\frac{1}{2}$	30	" " "
12	Moderate rain..	Cont. mod. rain.	1	$\frac{1}{2}$	" " "
13	Slight rain and drizzle.	Cont. slight snow.	$\frac{1}{4}$	$\frac{1}{4}$	Open water, scattered drift ice.
14	Cloudy.....	Fog distant....	30	1	" " "
15	Fog, sky not disc.	Overcast.....	$\frac{1}{4}$	9	1 berg, 1 growler, packed ice offshore.
16	Fog.....	Fog, sky not disc.	$\frac{1}{8}$	$\frac{1}{4}$	Light drift ice.
17	Fog.....	.....	0	.....	" " "
18	Mist.....	Partly cloudy...	1	20	" " "
19	Overcast.....	Cloudy.....	30	20	" " "
20	Cloudy.....	Cloudy.....	30	30	" " "
21	Fog at a distance	Cloudless.....	20	30	" " "
22	Partly cloudy..	Overcast.....	30	30	" " "
23	Fog, sky not disc.	Cloudless.....	$\frac{1}{2}$	30	3 Growlers, very light drift ice.
24	Mist.....	Fog.....	9	$\frac{1}{8}$	" " "
25	Rain and fog....	Fog, sky not disc.	$\frac{1}{2}$	$\frac{1}{4}$	" " "
26	Drizzle.....	Rain and fog....	$\frac{1}{8}$	$\frac{1}{4}$	No ice in sight.
27	Light fog.....	Distant fog....	2	4	" " "
28	Fog.....	Overcast thin fog	1	9	" " "
29	Thin fog.....	Distant fog....	4	9	" " "
30	Distant fog....	Partly cloudy..	9	30	Few growlers sighted.
31	Distant fog....	.....	9	.....	" " "
Aug.					
1	.....	.....	.....	.....	Occasional growlers sighted.
2	Overcast.....	.....	9	.....	" " "
3	Cloudy.....	Heavy drizzle..	2	$\frac{1}{8}$	" " "
4	Overcast.....	.....	20	.....	" " "
5	.....	Fog.....	.....	$\frac{1}{4}$	" " "
6	Overcast.....	Fog.....	$\frac{1}{4}$	$\frac{1}{4}$	" " "
7	.....	.....	.....	.....	" " "
8	.....	Fog.....	.....	0	" " "
9	Fog.....	Light fog.....	$\frac{1}{8}$	1	" " "
10	Fog.....	Fog.....	$\frac{1}{4}$	$\frac{1}{4}$	" " "
11	Fog.....	Fog.....	01	$\frac{1}{2}$	" " "
12	Overcast.....	Drizzle.....	20	$\frac{1}{2}$	1 large berg, no small drift ice.
13	.....	Snow.....	.....	$\frac{1}{2}$	Several large growlers to N.W.
14	Fog.....	Cloudy.....	0	09	Occasional growler sighted.
15	Fog.....	.....	$\frac{1}{8}$	.....	" " "
16	Fog.....	Fog.....	4	$\frac{1}{8}$	" " "
17	Light fog.....	Fog.....	4	0	" " "
18	Fog.....	Cloudy.....	0	9	" " "
19	Fog.....	Fog.....	$\frac{1}{8}$	$\frac{1}{4}$	" " "
20	Partly cloudy..	Fog.....	20	$\frac{1}{4}$	Several large growlers, no bergs.
21	Cloudy.....	Partly cloudy..	30	20	4 bergs, 2 growlers to south.
22	Cloudy.....	Overcast.....	20	9	1 berg, a growler to N.W.
23	Haze.....	Partly cloudy..	20	20	No ice sighted..
24	Overcast.....	.....	9	.....	" " "
25	Missing.....	.....	.....	.....	" " "
26	Thin fog.....	Thin fog.....	4	20	" " "
27	Fog.....	Cloudy.....	0	20	" " "
28	Overcast.....	Overcast.....	20	1	" " "
29	Fog.....	Overcast.....	$\frac{1}{4}$	9	2 large bergs, several growlers.
30	Overcast.....	Fog.....	20	0	5 Bergs, many growlers.
31	Cloudy.....	Slight rain.....	4	1	" " "

[illegible]

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Sept.					
1	Thin fog.....	Fog,skynotdisc.	4	$\frac{1}{16}$	Several growlers sighted.
2	Moderate rain..	Fog,skynotdisc.	1	$\frac{1}{16}$	" " "
3	Partly cloudy..	Light rain.....	20	$\frac{1}{4}$	1 berg to S.E.
4	Intm't slight rain.....	Intm't slight... ..	2	$\frac{1}{4}$	No ice in sight.
5	Cloudy.....	Cloudy.....	9	20	" "
6	Fog,skynotdisc.	Light rain.....	$\frac{1}{16}$	9	" "
7	Overcast.....	Overcast.....	20	4	" "
8	Snow showers mod.....	Squally weather	4	4	" "
9	Overcast.....	Cloudy.....	20	4	1 large berg to S.S.E.
10	Overcast.....	Overcast.....	20	20	No ice in sight.
11	Overcast.....	Rain and fog....	4	$\frac{1}{2}$	Several growlers sighted.
12	Cont. mod. snow	.....	1	.....	" " "
13	Overcast.....	Overcast.....	20	20	" " "
14	Overcast.....	Partly cloudy..	20	20	No ice in sight.
15	Cloudy.....	Mist.....	20	20	" "
16	Fog,skynotdisc.	Cloudless.....	$\frac{1}{16}$	20	" "
17	.....	Overcast.....	.....	20	" "
18	Cont. mod. rain	.....	30	.....	Occasional bergs and growlers.
19	Partly cloudy...	Overcast.....	20	20	" "
20	Mist.....	Overcast.....	2	20	" "
21	Cont.slightsnow	Slight rain and snow.....	4	$\frac{1}{16}$	" "
22	.....	Overcast.....	.....	$\frac{1}{4}$	" "
23	Partly cloudy..	Fog.....	20	$\frac{1}{16}$	" "
24	Overcast.....	Overcast.....	20	9	" "
25	Fog,skynotdisc.	Rain and fog....	$\frac{1}{16}$	1	" "
26	.....	Overcast.....	.....	9	" "
27	Partly cloudy..	Intm't slight rain.....	20	1	" "
28	Haze.....	Slight snow showers.....	9	1	" "
29	Fog,skynotdisc.	.....	$\frac{1}{2}$	.....	" "
30	Overcast.....	.....	20	.....	" "
31	.....	.....	.....	.....	.....

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
Oct.									
1.....	1022.6	33	32	E	15	NW	15	Missing	.....
2.....	1023.6	32	28	NW	5	E	21	14	.....
3.....	1017.5	33	31	E	21	NE	15	Trace	Trace
4.....	1014.5	30	27	N	5	NNE	42	.05	.....
5.....	1008.6	32	22	E	27	E	35	.....	.05
6.....	1007.2	32	32	E	27	N	5	Trace	Trace
7.....	1012.2	28	25	W	5	NW	15	Trace	.....
8.....	1011.2	31	23	NW	21	NW	27	Trace	.....
9.....	1005.5	33	30	NW	27	NW	5	.....	.....
10.....	1006.8	30	27	NE	5	Calm	.....	.....	.....
11.....	1008.0	35	29	E	5	WNW	2	.05	Trace
12.....	1004.6	36	33	E	27	SE	5	.....	.....
13.....	994.6	38	34	W	10	N	5	Trace	.01
14.....	1014.3	33	.....	.....	.....	WSW	21	.....	.....
15.....	1016.0	31	29	W	27	SW	10	.....	.....
16.....	1007.1	31	28	S	10	E	5	.....	.....
17.....	997.9	32	27	N	5	NE	15	.05	.....
18.....	996.5	30	28	NW	35	W	27	10	.....
19.....	1000.1	32	27	SE	10	E	10	Trace	Trace
20.....	996.2	31	29	NE	10	NW	15	.05	Trace
21.....	999.9	26	25	NW	10	W	10	Trace	.....
22.....	1005.6	29	25	NE	21	NW	10	.05	.....
23.....	1018.7	29	25	N	5	NE	21	Trace	.05
24.....	1016.2	22	.....	.....	.....	Calm	.....	.....	.....
25.....	1012.9	32	19	E	21	E	15	.....	.....
26.....	992.6	39	32	SW	10	S	10	25	.....
27.....	999.1	31	30	W	15	W	42	Trace	.....
28.....	1006.7	28	28	N	27	W	50	.....	Trace
29.....	1008.6	22	22	NW	21	NW	42	.....	Trace
30.....	1010.7	19	12	NW	27	NW	15	Trace	.....
31.....	995.2	22	17	N	5	NNW	15	.....	.....

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Oct.					
1	Moderate Snow.	Cloudy.....	$\frac{1}{16}$	20	No drift ice in straits, few bergs.
2	Partly cloudy...	Overcast.....	20	4	" " "
3	Cont. slight snow	Cont. slight snow	$\frac{1}{2}$	$\frac{1}{4}$	" " "
4	Partly cloudy...	Cloudy.....	20	20	" " "
5	Overcast.....	Cont. slight snow.	4	0	" " "
6	Cont. slight snow.	Int. slight snow.	$\frac{1}{2}$	2	" " "
7	Overcast.....	Partly cloudy..	20	20	" " "
8	Cloudy.....	Partly cloudy...	9	20	" " "
9	Cloudless.....	Partly cloudy...	20	9	" " "
10	Partly cloudy..	Cloudy.....	20	20	" " "
11	Cont. mod. snow.	Fog.....	$\frac{1}{4}$	0	" " "
12	Overcast.....	Cont. slight rain	20	1	" " "
13	Overcast.....	Int. slight rain..	20	2	" " "
14		Cloudy.....		9	" " "
15	Cloudy.....	Overcast.....	20	20	" " "
16	Overcast.....	Cloudy.....	20	20	" " "
17	Slight cont. snow.	Cont. mod. snow.	$\frac{1}{4}$	$\frac{1}{16}$	" " "
18	Slight cont. snow.	Overcast.....	$\frac{1}{4}$	4	" " "
19	Slight int. snow.	Int. slight snow.	9	4	" " "
20	Slight int. snow.	Int. slight snow.	$\frac{1}{2}$	9	" " "
21	Overcast.....	Overcast.....	20	20	" " "
22	Med. cont. snow	Cloudy.....	$\frac{1}{16}$	20	" " "
23	Overcast.....	Cont. mod. snow.	20	0	" " "
24		Overcast.....		9	" " "
25	Overcast.....	Cont. mod. rain.	20	$\frac{1}{4}$	" " "
26	Haze.....	Overcast.....	4	9	" " "
27	Cont. slight snow.	Overcast.....	2	9	" " "
28	Cloudy, drifting snow.	Cont. slight snow.	4	$\frac{1}{16}$	" " "
29	Cloudy.....	Overcast.....	4	4	" " "
30	Slight mod. snow, showers	Partly cloudy...	4	30	" " "
31	Overcast.....	Ligt. Int. Snow.	20	9	" " "

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
				8.00 a.m.		8.00 p.m.			
		Max.	Min.	Dir.	Vel.	Dir.	Vel.	a.m.	p.m.
1946		°F.	°F.					Inches	Inches
Nov.									
1.....	1004.6	23	20	N	21	W	15	Trace	.....
2.....	1006.8		17	W	10				.....
3.....	1006.5	30				SSE	21		.....
4.....	998.2	29	27	W	15	W	5	Trace	.02
5.....	999.4	30	22	SW	5	NE	15	.03	Trace
6.....	996.8		28	NE	50			.05	.....
7.....	1001.0	36	27	NE	21	NE	10	.05	.....
8.....	9938.0	33	31	NW	21	SW	15	Trace	.....
9.....	1010.6	29	28	W	15	Calm			Trace
10.....	1011.3	20	23	E	10	SW	15	.09	.01
11.....	1013.9	25	24	WNW	21	SW	21		.....
	Mean								
12.....	1029.1	27	24	W	21	W	15		.....
13.....	1002.6	30				E	10		.01
14.....	1006.0	26	24	W	21	SW	10	.02	Trace
15.....	1018.5	26	22	W	21	W	15	Trace	.....
16.....	1018.5	29	22	S	21	S	15		.01
17.....	1008.0		27	E	21			Trace	.....
18.....	998.4	24	22	SW	27	WSW	27	Trace	Trace
19.....	1005.0		14	W	42			Trace	.....
20.....	1009.7	19	14	E	21	SSE	5	Trace	Trace
21.....	1011.7	18	15	NW	10	W	10	Trace	.....
22.....	1011.8		17	S	10			Trace	.....
23.....	999.6	31				SE	21		Trace
24.....	995.5	30	28	ESE	15	W	35	.02	.08
25.....	1003.2	18	17	W	27	W	21	.02	.....
26.....	1009.8	17	14	W	15	S	21		.....
27.....	1002.0	19	13	SSW	15	SW	5	.01	Trace
28.....	999.5	18	17	W	15	W	27	.02	.....
29.....	999.4	16	13	W	27	WNW	27		.....
30.....	999.7		17	W	10			.05	.....

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Nov.					
1	Overcast.....	Overcast.....	9	20	Occasional bergs and growlers seen.
2	Partly cloudy...		20		" "
3		Overcast.....		9	" "
4	Overcast.....	Int. slight snow.	4	4	" "
5	Mist.....	Int. slight snow.	9	4	" "
6	Cont. mod. snow, thicker in last hour.		$\frac{1}{4}$		" "
7	Fog, sky disc...	Cloudy.....	$\frac{1}{4}$	9	" "
8	Cont. mod. snow.	Cloudy.....	$\frac{1}{4}$	9	" "
9	Partly cloudy...	Cloudy.....	20	9	" "
10	Int. slight snow.	Cont. slight snow.	4	0	" "
11	Overcast.....	Showers of slight or mod. snow.	20	20	" "
12	Cloudless.....	Showers of slight or mod. snow.	9	2	" "
13		Cont. slight snow.		$\frac{1}{4}$	" "
14	Cont. mod. snow.	Int. slight snow. snow.	$\frac{1}{2}$	4	" "
15	Overcast.....	Overcast.....	20	20	" "
16	Overcast.....	Cont. slight snow.	20	$\frac{1}{4}$	" "
17	Overcast.....		20		" "
18	Overcast.....	Slight snow showers.	4	4	" "
19	Overcast.....		4		" "
20	Cont. slight snow.	Partly cloudy...	$\frac{1}{4}$	9	First slob ice in straits.
21	Overcast.....	Overcast.....	20	20	" "
22	Overcast.....		9		" "
23		Slight int. snow.		4	" "
24	Cont. slight snow.	Cont. mod. snow.	$\frac{1}{2}$	$\frac{1}{4}$	" "
25	Overcast.....	Overcast.....	9	9	" "
26	Overcast.....	Cloudless.....	9	20	" "
27	Overcast.....	Slight or mod. snow showers	9	4	" "
28	Snow, other than showers.	Overcast.....	9	9	No ice in sight.
29	Overcast.....	Slight drifting snow.	20	4	Slob ice seen.
30	Int. slight snow.		9		Close packed slob ice to horizon.

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
July									
1.....	1007.6	38	30	SE	9	E	6	.....	.....
2.....	994.8	34	30	E	35	E	23	.....	.01
3.....	995.6	35	32	NW	19	NW	30	.....	.....
4.....	1012.2	35	32	NW	26	NW	27	.....	.....
5.....	1018.6	36	32	NW	18	NW	20	.....	.....
6.....	1017.3	51	34	NW	82	Calm	.....	.....	.....
7.....	1011.8	43	37	W	22	NW	15	.....	.....
8.....	1014.9	53	33	NW	12	W	11	.....	.....
9.....	1014.8	40	37	SW	8	NW	5	.....	.....
10.....	1012.8	36	32	E	26	SE	15	.....	.....
11.....	1004.6	34	32	S	10	S	23	.....	.02
12.....	990.0	33	32	E	55	E	28	1.34	.22
13.....	995.5	33	30	E	20	E	20	.12	.02
14.....	1002.3	43	31	W	30	W	18	.....	.....
15.....	997.6	43	43	SW	15	NW	10	.14	.....
16.....	999.1	37	31	NW	30	NW	26	.....	.....
17.....	1004.7	44	32	NW	26	NW	21	.....	.....
18.....	1008.5	42	34	NW	9	NW	6	.....	.....
19.....	1013.0	44	35	NW	15	NW	5	.....	.....
20.....	1012.9	48	38	NW	15	NW	22	.....	.....
21.....	1014.2	63	38	S	4	Calm	.....	.....	.....
22.....	1009.4	68	56	SW	17	W	20	.....	.....
23.....	1011.1	54	41	NW	14	SW	33	.....	.....
24.....	995.2	54	38	SE	30	S	14	.10	.....
25.....	994.2	39	36	NW	12	Calm	.....	.....	.....
26.....	1001.1	46	34	S	3	NW	14	.07	.13
27.....	1004.3	45	36	NW	38	NW	12	.03	.....
28.....	1005.4	42	37	S	12	SE	13	.....	.....
29.....	1009.9	41	37	NW	12	NW	18	.....	.....
30.....	1013.6	61	38	NW	30	NW	30	.....	.....
31.....	1014.9	63	40	NW	28	W	22	.....	.....

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
July					
1	Dense fog.....	Overcast.....	0	9	Field of open ice, extending six miles off shore
2	Fog and snow...	Dense fog.....	0	0	
3	Dense fog.....	Overcast.....	$\frac{1}{2}$	20	
4	Partly overcast.	Partly cloudy...	20	20	Loose ice to horizon in northwest, open water north and northeast, one berg.
5	Partly cloudy...	Partly cloudy...	20	20	" " " "
6	Clear.....	Partly cloudy...	20	20	Loose ice field, northwesterly direction Open water visible northeasterly direction
7	Overcast.....	Overcast.....	20	9	" " " "
8	Partly cloudy...	Cloudy.....	20	20	" " " "
9	Overcast.....	Overcast.....	9	20	" " " "
10	Overcast.....	Low mist.....	20	4	" " " "
11	Dense fog.....	Dense fog.....	$\frac{1}{2}$	0	Visibility one mile. Loose and scattered ice in all directions.
12	Rain and fog....	Rain and fog....	$\frac{1}{2}$	$\frac{1}{2}$	Slack or open ice all directions. Visibility 4 miles.
13	Rain and fog....	Overcast.....	$\frac{1}{4}$	4	" " "
14	Cloudy.....	Overcast.....	20	20	Field of loose ice one mile off shore extending to horizon.
15	Light rain.....	Overcast.....	9	20	
16	Overcast.....	Cloudy.....	20	30	Loose packed ice northwesterly direction. Open water beyond six miles to the northeast.
17	Overcast.....	Partly cloudy...	9	20	" " " "
18	Partly cloudy...	Partly cloudy...	20	20	" " " "
19	Cloudy.....	Partly cloudy...	20	20	" " " "
20	Overcast.....	Overcast.....	20	20	" " " "
21	Clear.....	Clear.....	20	20	" " " "
22	Partly cloudy...	Cloudy.....	20	20	Field of slack or open ice one mile off shore extending to horizon.
23	Overcast.....	Partly cloudy...	20	20	" " " "
24	Cont. rain.....	Dense fog.....	4	0	" " " "
25	Overcast.....	Overcast.....	20	9	Loose scattered ice in all directions. Open water along shore.
26	Dense fog.....	Rain and fog....	0	0	" " " "
27	Overcast.....	Partly cloudy...	20	20	" " " "
28	Partly cloudy...	Dense fog.....	20	0	" " " "
29	Dense fog.....	Mist.....	0	4	Slack or open ice from shore to horizon.
30	Partly cloudy...	Partly cloudy...	20	20	Close packed ice to the northwest. Open water and scattered ice to the northwest.
31	Partly cloudy...	Partly cloudy...	20	20	Closed packed ice to the northwest. Open water and scattered ice to the northeast. 3 bergs.

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
Aug.									
1.....	992.8	64				SW	42		.03
2.....	1002.9		42	NW	27			.08	
3.....	1011.5	48	44	E	5	SE	15		
4.....	995.3	40	39	SE	35	SE	27		
5.....	988.3	43				WSW	10		
6.....	1001.3	37	36	SE	15	E	21		
7.....									
8.....	1017.8	35	35	E	2	N	5		
9.....		44	36	NNE	2	NW	5		
10.....	1015.5	41	40	W	21	NW	21		
11.....	1007.4	47	38	NW	10	NW	15		
12.....	1006.5	47	33	NE	10	E	5		
13.....	997.9	49				S	15		.04
14.....	1001.9	49	46	W	10	W	21		
15.....	1007.4		41	S	5				
16.....	1004.7	42	34	NW	27	NW	10	Trace	
17.....	1003.9	47	34	NW	15	SW	10		.03
18.....	1005.7	44	37	NW	27	NW	15		
19.....	1009.5	55	38	W	21	W	21		
20.....	1007.9	55	44	NW	35	W	21		
21.....	1013.8	39	37	W	21	NW	15		
22.....	1016.7	52	38	W	21	SW	5		
23.....	1018.4	56	48	W	10	SSW	15		
24.....	1016.3		53	WNW	21			Trace	
25.....	1014.4		41	Calm					
26.....	1010.8	43	41	NW	15	E	10	Trace	
27.....	1018.6	50	41	W	10	Calm			
28.....	1007.6	38	28	NW	15	NW	10		
29.....	1005.6	42	38	N	10	NW	10		
30.....	1001.6	36	35	NW	15	NW	15		
31.....	998.7	43	39	E		SW	15		
Sept.									
1.....	1003.1	38	38	NW	10	E	21		
2.....	1000.3	50		SE	10	SE	15		
3.....	998.6		39	SW	15				
4.....	1009.1	50	42	SW	10	SW	15	.06	
5.....	1008.8	43	38	SE	15	N	10		
6.....	1009.6	37	38	N	05	SE	2		
7.....	995.9	36	30	N	27	NW	50		.08
8.....	995.0	33				SSE	27	Trace	
9.....	997.8	35	33	NW	27	W	21		
10.....	991.6	33	32	NW	5	SE	27		
11.....	986.3	35	32	SE	35	E	35	25	3.01
12.....	989.8	35	34	NW	50	NW	50		
13.....	1002.9	33	29	W	15	MSE	27	Trace	
14.....	1011.8	32	30	NW	35	NW	27	0	0
15.....	1016.½	M	30	NW	10	NE	10	0	0
16.....	1021.7	35	M	NE	M	NW	15	0	0
17.....	1008.6	34	29	NW	4	SE	27	0	
18.....	996.0		29	NW	27			2.9	
19.....	1012.8	32				S	4		0
20.....	1009.2		32	SW	15			0	
21.....	993.3	35	34	E	21	E	21	18	16
22.....	1002.3	35	32	SW	27	NW	27	0	0
23.....	1009.9		31	NW	27			0	
24.....	1015.1	34	30	S	10	SE	15	0	0
25.....	997.5	38	33	SE	34	Calm	Calm	.32	0
26.....	993.2	43				SW	10		0
27.....	998.9	39	32	SW	15	SW	15	0	0
28.....	1005.9	39	36	NW	15	Calm	Calm	0	0
29.....	1015.3		33	NW	10			0	
30.....	1017.4		30	S	15			0	

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Aug.					
1		Light rain.....		30	Open ice to horizon northwesterly direction scattered ice northerly direction, with open water beyond two miles.
2	Rain and fog.....		0		
3	Fog.....	Light fog.....	0	4	
4	Fog.....	Fog.....	0	2	
5		Thin fog.....		1	
6	Fog.....	Fog.....	$\frac{1}{4}$	0	
7					
8	Fog.....	Fog.....	0	0	
9	Partly cloudy..	Partly Cloudy..	20	20	
10	Cloudy.....	Cloudy.....	9	20	
11	Cloudless.....	Fog.....	20	0	
12	Ground fog....	Heavy fog.....	15	0	
13		Rain.....		35	
14	Partly cloudy..	Overcast.....	20	20	
15	Int. rain.....		20		
16	Fog.....	Overcast.....	$\frac{1}{16}$	20	
17	Cloudy.....	Showers.....	09	20	
18	Overcast.....	Cloudy.....	20	20	
19	Partly cloudy..	Fog.....	20	1	
20	Partly cloudy..	Fog.....	9	11	
21	Cloudy.....	Cloudy.....	20	20	
22	Partly cloudy..	Cloudy.....	20	20	
23	Clear.....	Overcast.....	20	20	
24	Rain showers..		9		
25	Fog.....		0		
26	Moderate rain..	Overcast.....	9	20	
27	Cloudy.....	Cloudy.....	20	20	
28	Fog.....	Fog.....	0	$\frac{1}{2}$	
29	Fog and drizzle.	Fog.....	0	0	
30	Overcast.....	Overcast.....	20	20	
31	Overcast.....	Cloudy.....	20	20	
Sept.					
1	Fog.....	Fog.....	$\frac{1}{16}$	0	One small berg.
2	Fog.....	Partly cloudy..	$\frac{1}{16}$	20	"
3	Partly cloudy..		20		"
4	Inter. rain.....	Cloudy.....	9	20	
5	Overcast.....	Overcast.....	20	9	
6	Overcast.....	Overcast.....	20	9	
7	Overcast.....	Rain and fog...	20	$\frac{1}{4}$	
8		Overcast.....		4	2 small bergs, 1 growler.
9	Overcast.....	Overcast.....	20	20	" "
10	Cloudy.....	Light rain.....	20	$\frac{1}{4}$	" "
11	Con. rain.....	Rain and fog...	2	1	" "
12	Haze.....	Overcast.....	1	9	
13	Snow and fog...	Cloudy.....	$\frac{1}{2}$	20	
14	Cloudy.....	Overcast.....	20	20	
15	Overcast.....	Overcast.....	20	20	1 berg.
16	Overcast.....	Overcast.....	20	20	"
17	Cloudy.....	Overcast.....	20	20	"
18	Haze.....		1		
19		Cloudy.....	3	20	
20	Overcast.....		9		
21	Cont. slight rain	Drizzle and fog.	1	5/16	
22	Cloudy.....	Overcast.....	20	20	1 small berg, 2 growlers.
23	Overcast.....		9		" "
24	Low fog.....	Haze.....	$\frac{1}{8}$	6	
25	Rain and fog...	Fog, no change.	55	0	
26		Overcast.....		20	
27	Inter. slight	Overcast.....	9	9	
28	Cloudy.....	Overcast.....	20	20	
29	Overcast.....		20		
30	Cloudy.....		20		

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
Oct.									
1.....	1022.7	30	29	SW	5	SW	10	.....	.....
2.....	1023.6	30	29	SE	2	S	21	.....	.....
3.....	1015.6	33	30	NE	5	NE	21	.01	.01
4.....	1011.8	32	29	NW	15	SE	21	.....	.....
5.....	990.5	32	26	SE	50	SE	10	.20	.30
6.....	1011.2	31	.....	.....	.....	NW	21	.....	.02
7.....	1015.3	30	26	NW	35	NW	42	.....	.....
8.....	1015.3	33	26	NW	42	NW	21	.....	.....
9.....	1007.4	34	.....	.....	.....	SW	5	.....	.....
10.....	1003.5	33	30	NW	42	SW	10	.....	.....
11.....	1007.1	36	32	Calm	.....	SW	5	.....	.....
12.....	994.4	44	.....	.....	.....	SW	21	.....	.....
13.....	995.0	34	33	S	15	NW	27	.....	.....
14.....	1012.7	33	.....	.....	.....	W	21	.....	.....
15.....	1015.7	30	29	NW	10	SW	10	.....	.....
16.....	1005.2	30	26	NW	5	Calm	.....	.....	.....
17.....	1001.4	27	26	W	21	NW	.....	.....	.....
18.....	1000.8	28	25	NW	27	NW	10	.....	.....
19.....	999.2	28	22	W	15	NW	21	.....	.....
20.....	1002.0	27	25	NW	35	NW	42	.....	.....
21.....	999.3	25	24	NW	10	SE	15	.....	.....
22.....	1007.6	28	23	NE	10	NW	15	.05	.....
23.....	1016.4	32	26	SE	10	NW	2	.....	.....
24.....	1016.9	27	.....	.....	.....	E	10	.....	.....
25.....	1008.7	32	21	SE	42	SE	15	.02	.10
26.....	990.2	38	30	SW	21	SW	21	.03	.....
27.....	999.9	33	27	W	21	NW	42	.02	.....
28.....	1010.3	26	24	SW	42	NW	42	.....	.....
29.....	1012.7	24	21	NW	27	NW	42	.....	.....
30.....	1014.0	22	24	NW	35	NW	5	.....	.....
31.....	993.5	23	20	E	21	E	15	.....	.....

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Oct.					
1	Cloudy.....	Partly cloudy...	20	20	
2	Overcast.....	Overcast.....	2	9	
3	Overcast.....	Slight or mod. rain and snow.	20	4	
4	Overcast.....	Overcast.....	20	20	
5	Cont. mod. snow.	Snow and fog...	$\frac{1}{16}$	$\frac{1}{16}$	
6		Int. slight snow.		2	
7	Overcast.....	Overcast.....	4	9	
8	Overcast.....	Cloudy.....	9	20	
9		Overcast.....		20	
10	Overcast.....	Overcast.....	9	9	
11	Overcast.....	Overcast.....	9	9	
12		Partly cloudy...		9	
13	Overcast.....	Snow and fog...	20	1	
14		Cloudy.....		20	
15	Overcast.....	Overcast.....	20	20	
16	Overcast.....	Overcast.....	9	20	
17	Overcast.....	Overcast.....	9	9	
18	Partly cloudy... showers.	Partly cloudy...	9	9	
19	Mod. and slight snow.	Cont. mod. snow.	20	$\frac{1}{2}$	
20	Partly cloudy...	Overcast.....	20	20	
21	Overcast.....	Overcast.....	20	20	
22	Slight int. snow.	Overcast.....	4	9	
23	Overcast.....	Cloudy.....	9	20	
24		Overcast.....		20	
25	Mixed snow and rain.	Drizzle and fog.	2	$\frac{1}{2}$	
26	Partly cloudy...	Overcast.....	9	20	
27	Slight int. snow.	Cloudy.....	9	20	No ice in sight.
28	Cloudy.....	Overcast.....	20	20	"
29	Overcast.....	Overcast.....	9	9	"
30	Overcast.....	Overcast.....	20	20	"
31	Overcast.....	Overcast.....	20	9	"

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
Nov.									
1.....	1012.3	25	20	N	5	NW	27	.....	.....
2.....	1020.0	28	24	NW	15	NW	15	.....	.....
3.....	1000.0	30	.....	.....	.....	SW	21	.....	-.05
4.....	994.4	28	24	SW	15	SW	10	.....	.....
5.....	997.6	26	22	S	10	SE	5	-.03	.....
6.....	999.4	28	22	SE	21	N	50	.....	-.07
7.....	1004.9	28	25	SW	35	NNW	27	.....	.....
8.....	1000.1	27	25	NW	27	NW	27	.....	.....
9.....	1007.8	.....	25	NW	15	.....	.....	.....	.....
10.....	1008.1	27	23	SE	27	SW	10	.....	.....
11.....	1001.8	17	.....	.....	.....	SW	10	.....	.....
12.....	1001.4	23	17	SW	15	SW	10	.....	.....
13.....	1001.1	.....	.....	.....	.....	.....	.....	.....	.....
14.....	1006.2	24	22	W	5	NW	35	.....	.....
15.....	1001.8	22	19	NW	15	SW	15	.....	.....
16.....	1001.3	27	16	E	15	S	10	-.08	.....
17.....	999.6	29	24	S	42	SW	15	.....	-.04
18.....	999.2	29	13	S	21	W	50	.....	.....
19.....	1006.3	09	00	W	27	SW	5	.....	.....
20.....	1001.1	08	04	NW	10	SW	10	.....	.....
21.....	1001.2	12	04	SW	5	SW	10	.....	.....
22.....	1000.4	.....	07	S	21	.....	.....	.....	.....
23.....	991.9	28	.....	.....	.....	SE	21	.....	.....
24.....	999.5	20	20	NW	21	NW	27	.....	.....
25.....	1004.4	12	01	SW	15	SW	10	.....	.....
26.....	1005.8	08	01	SW	15	SW	15	.....	.....
27.....	996.2	14	01	S	10	SE	2	.....	-.01
28.....	996.0	.....	.....	SW	15	SW	21	.....	.....
29.....	991.0	07	06	NW	35	NW	27	.....	.....
30.....	1001.0	.....	05	NW	42	.....	.....	.....	.....

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Nov.					
1	Overcast.....	Overcast.....	9	9	
2	Partly cloudy...	Overcast.....	20	20	
3	.....	Overcast.....	.....	$\frac{1}{2}$	3 small growlers.
4	Overcast.....	Overcast.....	20	20	"
5	Overcast.....	Overcast.....	20	20	"
6	Int. slight snow.	Cont. heavy snow.	20	$\frac{1}{2}$	
7	Overcast.....	Overcast.....	9	9	
8	Overcast.....	Overcast.....	20	4	
9	Overcast.....	.....	4	.....
10	Overcast.....	Overcast.....	20	20	1 berg, 2 growlers
11	.....	Partly cloudy...	.....	20	" "
12	Overcast.....	Overcast.....	20	20	" "
13	.....	.....	.....	.....	" "
14	Partly cloudy...	Overcast.....	20	20	
15	Overcast.....	Cloudy.....	20	20	
16	Overcast.....	Overcast.....	9	9	
17	Overcast.....	Overcast.....	9	9	No ice in sight
18	Cloudless.....	Overcast.....	20	4	
19	Partly cloudy...	Cloudless.....	20	20	
20	Overcast.....	Cloudless.....	20	20	
21	Cloudless.....	Cloudless.....	20	20	
22	Overcast.....	.....	20	.....
23	.....	Slight int. snow.	.....	4	
24	Partly cloudy...	Slight snow, storm low.	20	2	No ice in sight.
25	Cloudless.....	Cloudless.....	20	20	
26	Cloudless.....	Overcast.....	20	20	
27	Cloudless.....	Cont. slight snow.	20	4	
28	Cloudless.....	Cloudless.....	20	20	Slob ice extends 6 miles in northwesterly direction.
29	Overcast.....	Overcast.....	20	20	
30	Slight snow storm, low.	.....	4	.....

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
July									
1.....	1009.0	51	34	WNW	11	E	8	.....	.....
2.....	1004.7	50	34	E	5	WSW	4	.....	.....
3.....	1007.3	53	35	Calm..	.....	W	15	.....	.....
4.....	1018.9	46	32	NW	10	NW	7	.....	.....
5.....	1021.7	45	32	SW	3	W	3	.....	.....
6.....	1014.5	43	34	SSE	5	SW	14	.....	-.05
7.....	1013.6	44	33	W	6	W	11	.....	.....
8.....	1013.9	42	33	SW	13	WSW	10	.....	-.16
9.....	1017.0	44	33	Calm	.....	E	16	-.09	.....
10.....	1012.2	44	34	ENE	20	NE	24	-.16	.....
11.....	1008.6	50	33	ENE	23	NE	18	.....	.....
12.....	1000.3	49	37	ENE	28	NE	19	.....	.....
13.....	1004.6	56	37	NNE	12	NW	4	.....	.....
14.....	1005.3	43	33	NW	8	W	12	.....	-.18
15.....	997.6	48	33	W	5	N	16	-.10	.....
16.....	1002.8	43	34	NNW	14	W	20	.....	.....
17.....	1006.8	41	31	W	5	SW	6	.....	.....
18.....	1011.2	49	34	Calm	.....	W	5	.....	.....
19.....	1013.3	48	31	SSW	6	WSW	8	.....	.....
20.....	1013.5	48	35	WSW	2	SSW	11	.....	.....
21.....	1011.3	45	36	SW	8	SSW	20	.....	.....
22.....	1006.5	40	35	SSW	24	W	8	.....	-.19
23.....	1005.1	61	36	ENE	18	E	14	.....	-.05
24.....	993.1	52	39	NE	10	N	11	-.21	-.08
25.....	1000.3	44	36	N	23	S	14	-.01	.....
26.....	1004.5	59	34	Calm	.....	WNW	10	.....	.....
27.....	1005.7	57	35	WNW	5	E	7	.....	.....
28.....	1006.6	63	43	ENE	12	ENE	10	.....	.....
29.....	1013.2	62	35	Calm	.....	WSW	8	.....	.....
30.....	1016.4	50	41	W	5	SW	10	.....	.....
31.....	1009.3	42	37	S	30	SSW	30	.....	.....
August									
1.....	998.4	50	36	SW	21	SW	5	-.05	.....
2.....	1005.8	.....	39	SW	5	.....	.....	.....	.....
3.....	1005.0	49	37	E	15	NE	21	.....	.....
4.....	995.3	.....	36	WNW	5	.....	.....	.....	.....
5.....	994.9	53	.....	.....	.....	ENE	21	.....	-.12
6.....	1002.4	44	35	NE	21	NE	15	.....	.....
7.....	1011.8	61	39	NE	16	SSW	8	.....	.....
8.....	1018.0	51	39	E	10	E	10	.....	.....
9.....	1019.5	54	37	NNW	5	W	15	.....	.....
10.....	1019.5	54	32	Calm	.....	.....	.....	.....	.....
11.....	1016.1	48	38	Calm	.....	SSW	5	.....	.....
12.....	1003.6	43	38	S	10	S	10	.....	-.04
13.....	994.6	44	.....	.....	.....	S	.....	.....	.....
14.....	998.5	44	37	S	15	NW	15	.....	.....
15.....	1005.1	47	33	SW	5	.....	.....	.....	.....
16.....	1008.4	48	36	W	10	NW	10	.....	.....
17.....	1005.9	43	34	W	5	W	15	.....	.....
18.....	1008.1	44	35	W	15	SW	5	.....	.....
19.....	1002.1	45	38	SW	21	NNW	21	-.02	.....
20.....	1012.8	45	35	W	15	SSW	10	.....	.....
21.....	1018.1	51	36	W	5	SW	5	.....	.....
22.....	1017.1	51	38	SW	5	SW	5	.....	.....
23.....	1015.2	42	36	SW	15	SW	10	.....	.....
24.....	1014.8	44	37	SW	5	.....	.....	.....	.....
25.....	1012.1	43	40	W	5	.....	.....	.....	.....
26.....	1018.2	39	37	SW	15	SW	15	.....	.....
27.....	1008.1	45	36	W	10	SE	10	.....	.....
28.....	1011.3	45	36	NNW	5	WNW	10	.....	.....
29.....	1006.5	39	32	Calm	.....	S	5	.....	.....
30.....	1003.3	42	35	E	5	.....	.....	Trace	.....
31.....	1001.1	43	35	E	5	E	5	.....	.....

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
July					
1	Overcast.....	Partly cloudy...	20	20	Ice extends off shore about $\frac{1}{2}$ mile. Variable amounts of drift ice in strait.
2	Partly cloudy...	Cloudy.....	9	9	
3	Overcast.....	Partly cloudy...	9	20	Heavy close packed flow ice in strait. Few scattered leads southward.
4	Clear.....	Cloudy.....	20	20	
5	Partly cloudy...	Cloudy.....	9	20	
6	Partly cloudy...	Int. rain.....	20	4	
7	Overcast.....	Clear.....	20	30	
8	Cloudy.....	Int. rain.....	9	4	
9	Cont. rain.....	Clear.....	4	20	
10	Cont. rain.....	Clear.....	20	20	
11	Overcast.....	Clear.....	9	20	
12	Cloudy.....	Cloudy.....	20	20	
13	Overcast.....	Cloudy.....	20	20	Close packed flow ice visible to horizon.
14	Overcast.....	Cloudy.....	9	20	
15	Fog.....	Clear.....	$\frac{1}{2}$	20	
16	Overcast.....	Overcast.....	20	20	
17	Fog.....	Overcast.....	$\frac{1}{10}$	20	
18	Clear.....	Overcast.....	20	20	
19	Overcast.....	Cloudy.....	20	20	
20	Cloudy.....	Clear.....	9	20	
21	Clear.....	Clear.....	20	20	
22	Fog and rain...	Overcast.....	$\frac{1}{2}$	4	Scattered patches of drift ice to horizon. Cove clear of ice.
23	Overcast.....	Overcast.....	4	20	
24	Cont. rain mod.	Overcast.....	$\frac{1}{2}$	9	No cove or shore ice. Occasional ice pan in strait.
25	Overcast.....	Overcast.....	20	9	
26	Cloudy.....	Clear.....	9	20	
27	Clear.....	Clear.....	20	20	
28	Partly cloudy...	Clear.....	20	20	
29	Partly cloudy...	Overcast.....	20	20	
30	Cloudy.....	Partly cloudy...	20	9	
31	Overcast.....	Overcast.....	4	4	
Aug.					
1	Rain.....	Cloudy.....	1	20	No ice in sight.
2	Fog.....		$\frac{1}{16}$		
3	Fog.....	Overcast.....	$\frac{1}{16}$	4	
4	Light fog.....		2		
5		Light fog.....		1	
6	Overcast.....	Overcast.....	4	9	
7	Overcast.....				
8	Fog.....	Clear.....	1	20	
9	Clear.....	Cloudy.....	20	20	
10	Overcast.....		9		
11	Cloudless.....	Partly cloudy...	20	20	
12	Overcast.....	Inter. rain.....	20	1	
13		Overcast.....		9	
14	Fog.....	Cloudy.....	$\frac{1}{16}$	9	No ice in sight.
15	Fog.....		$\frac{1}{16}$		
16	Overcast.....	Overcast.....	9	4	
17	Partly cloudy...	Partly cloudy...	20	20	
18	Overcast.....	Partly cloudy...	9	20	
19	Continuous rain.	Drizzle and fog.	4	1	
20	Cloudy.....	Cloudy.....	9	20	
21	Overcast.....	Partly cloudy...	20	20	
22	Partly cloudy...	Partly cloudy...	20	20	
23	Partly cloudy...	Moderate rain...	9	4	
24	Fog.....		$\frac{1}{4}$		No ice in sight.
25	Fog.....		2		
26	Overcast.....	Overcast.....	9	9	
27	Fog.....	Cloudy.....	$\frac{1}{4}$	20	
28	Partly cloudy...	Partly cloudy...	20	20	
29	Overcast.....	Cloudy.....	9	20	
30	Drizzle.....		4		
31	Overcast.....	Overcast.....	7	20	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Veil.		
1946		°F.	°F.					Inches	Inches
Sept.									
1.....	1005.8	41	32	E	5	E	5		
2.....	1002.8	50	34	SE	5	W	15		
3.....	998.8		36	NW	19			Trace	
4.....	1004.1	39	34	W	5	SW	10	Trace	
5.....	1009.9	42	39	N	10	N	10		
6.....	1006.8	33	34	SW	21	S	2		
7.....	1002.3	35	28	N	15	WNW	15		
8.....	1000.8	39				W	5		Trace
9.....	1000.0	32	32	W	10	W	10		
10.....	999.9	35	30	N	5	E	5		
11.....	999.9	40	31	N	15	N	10		
12.....	1001.5	33	31	NNW	27	NW	15	.05	
13.....	1004.2	32	28	Calm			10	Trace	
14.....	1014.½	36	25	N	5	ENE	10		
15.....	1017.2	33	29	E	10	E	10		
16.....	1011.4	35	29	E	2	E	5		
17.....	1006.2	34	29	E	1	E	15		
18.....	1000.2		34	E	4			2.8	
19.....	1011.4	34	28	W	15	W	27		1.0
20.....	1008.4		28	N	5				
21.....	996.3	32	29	E	27	E	15		Trace
22.....	999.3	34	31	E	10	N	5		
23.....	1017.6		27	E	10				
24.....	1011.3	34	27	E	15	S	27		.02
25.....	997.0	38	32	E	21	E	15	Trace	
26.....	983.7	39				S	15		
27.....	991.9	39	34	S	10	NW	15	Trace	
28.....	1005.5	35	30	W	5	W	15	Trace	
29.....	1011.3		30	W	5			0	
30.....	1014.2		29	S	10			.05	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Sept.					
1	Cloudy.....	Fog.....	20	9	
2	Partly cloudy..	Cloudy.....	20	20	
3	Int. rain.....		9		
4	Fog.....	Overcast.....	$\frac{1}{2}$	9	
5	Cloudy.....	Cloudy.....	9	9	
6	Overcast.....	Cloudy light snow.	9	1	
7	Light int. snow.	Cloudy.....	9	20	
8		Snow.....		4	
9	Overcast.....	Cloudy.....	9	9	No ice in sight.
10	Partly cloudy..	Overcast.....	20	20	
11	Cloudy.....	Partly cloudy..	20	20	
12	Cont. snow.....	Overcast.....	4	20	
13	Overcast.....	Overcast.....	9	20	
14	Partly cloudy..	Partly cloudy..	20	20	
15	Overcast.....	Overcast.....	0.9	9	
16	Overcast.....	Overcast.....	20	20	
17	Overcast.....	Light rain.....	9	4	
18	Rain.....		6		
19	Overcast.....	Heavy showers of rain.	20	4	
20	Clear.....		20		
21	Overcast.....	Int. snow.....	9	1	
22	Overcast.....	Garbled.....	9	9	
23	Overcast.....		20		
24	Overcast.....	Continuous of rain	20	4	
25	Overcast.....	Distant fog.....	6	4	
26		Overcast.....		9	
27	Fog, no change.	Fog, no change.	$\frac{5}{8}$	1	
28	Overcast.....	Overcast.....	9	9	
29	Partly cloudy..		9		
30	Overcast.....		9		

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
				8.00 a.m.		8.00 p.m.			
		Max.	Min.	Dir.	Vel.	Dir.	Vel.	a.m.	p.m.
		°F.	°F.					Inches	Inches
1946									
Oct.									
1.....	1021.7	35				SE	5		
2.....	1021.3	38	24	S	15	SE	10	00	Trace
3.....	1018.8	37	30	E	5	E	5		Trace
4.....	1008.1	29	26	E	15	E	27		
5.....	1000.2	32	28	E	21	NE	21	Trace	Trace
6.....	1017.2	32	28	N	21	N	21	Trace	
7.....	1024.3	29	24	N	15	W	15		
8.....	1013.0	33	24	SSE	10	W	21	.01	
9.....	1005.5	34	31	W	21	NE	10		
10.....	1002.2	34	32	E	5	E	2		Trace
11.....	1003.4	39	32	S	5	SW	10		Trace
12.....	990.3	36	32	E	21	S	15		
13.....	988.7	31	30	W	27	W	27		
14.....	1002.6	30	27	W	21	W	27	Trace	
15.....	1008.3	26	25	W	35	W	15	10	
16.....	1002.6	20	17	W	10	W	10	Trace	
17.....	1004.7	26	19	Calm		S	10		20
18.....	1005.0	30	23	S	5	Calm			Trace
19.....	1007.0	23	13	Calm		N	5		
20.....	1007.6	28	14	E	5	S	5		
21.....	999.0	25	21	SE	21	E	12		
22.....	1011.6	29	12	N	5	SE	10		Trace
23.....	1005.6		19	E	10				
24.....	1021.4	22	19	Calm		E	10	Trace	
25.....	980.9	23				E	42		00
26.....	981.3	27	21	WNW	15	WSW	27	.05	0.5
27.....	999.0	24	21	W	27	W	35		.05
28.....	1013.5	19	18	WNW	10	N	21		
29.....	1020.4	20	15	SSW	10	WNW	10		.05
30.....	1014.0	23	20	W	10	S	10		
31.....	997.6	20	19	E	21	E	2		

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Oct.					
1	.....	Overcast. ....	.....	9	
2	Cont. slight snow.	Int. slight snow	$\frac{1}{4}$	4	
3	Overcast.	Moderate snow.	9	4	No ice in sight.
4	Overcast.	Overcast.	9	9	
5	Cont. mod. snow.	Snow and fog...	$\frac{1}{2}$	1	
6	Overcast.	Overcast.	9	9	
7	Overcast.	Overcast.	20	20	
8	Cont. heavy snow.	Cloudy.	$\frac{1}{4}$	4	
9	Overcast.	Cont. slight snow.	9	$\frac{1}{2}$	No ice in sight.
10	Distant fog.	Thick fog.	4	$\frac{1}{2}$	
11	Drizzle and fog.	Distant fog.	$\frac{1}{2}$	2	
12	Overcast.	Overcast.	4	9	
13	Overcast.	Overcast.	9	9	
14	Slight int. snow.	Overcast.	1	9	
15	Cont. mod. snow.	Cont. mod. snow.	1	$\frac{1}{4}$	
16	Overcast.	Cont. mod. snow.	9	2	
17	Overcast.	Overcast.	9	9	
18	Overcast.	Overcast.	9	20	
19	Overcast.	Overcast.	9	20	
20	Overcast.	Partly cloudy..	20	20	
21	Overcast.	Overcast.	9	1	No ice off shore, shore ice forming in cove.
22	Overcast.	Overcast.	20	20	
23	Reduced vis by smoke.	Overcast.	4	.....
24	Overcast.	Overcast.	9	20	
25	.....	Heavy snow storm drifting	.....	$\frac{1}{16}$	
26	Drifting snow storm.	Heavy snow storm low.	$\frac{1}{4}$	2	
27	Overcast.	Overcast.	4	4	
28	Cloudy.	Slight snow storm.	9	1	
29	Overcast.	Cloudless.	9	20	
30	Overcast.	Overcast.	9	9	
31	Overcast.	Overcast.	9	20	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Veil.		
1946		°F.	°F.					Inches	Inches
November									
1.....	1009.0	27	17	S	2	W	10	Trace	Trace
2.....	1018.7	27	26	W	10	E	10	Trace	
3.....	992.7	29				W	21		.05
4.....	987.2	26	23	S	5	N	10		.25
5.....	996.8	23	19			E	10		
6.....	1011.2	27	16	E	5	N	5	Trace	
7.....	1016.9	21	12	N	21	N	5		
8.....	1008.2		07	N	10				
9.....	1008.5	23	21	N	10	N	5		
10.....	1006.3	22	19	N	10	WNW	21		
11.....	1008.0		10	W	15				
12.....	1003.2	15				W	15		
13.....	1003.0	14				N	10		
14.....	1011.5	14	06	N	10	N	10		Trace
15.....	1015.3	20	11	E	5	E	15	15	
16.....	1008.5	26	12	E	27	E	21	.05	.05
17.....	994.1	30	18	ENE	27	S	21	.05	
18.....	987.3	28	16	S	15	W	27		.02
19.....	997.1	04		W	27	S	15	.03	
20.....	1007.6	10	03	E	5	S	21		Trace
21.....	1012.5	12		S	21	S	2		Trace
22.....	1009.0		09	E	10			.01	
23.....	986.4	28	20	E	27	E	27		
24.....	995.3	20	13	SW	15	W	10	.03	
25.....	998.8	12	06	SW	10	S	15		.02
26.....	997.5	13	05	S	15	S	10	.01	.02
27.....	995.0	10	08	W	10	W	5	.03	
28.....	999.0	01	—07	W	02	N	5		
29.....	998.2	07	—03	W	10	SSE	10	.03	
30.....	1010.0		—01	W	15			Trace	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Nov.					
1	Cont. mod. snow.	Overcast.....	$\frac{1}{2}$	9	
2	Slight int. snow.	Overcast.....	4	20	
3	.....	Slight snow storm drifting	.....	$\frac{1}{2}$	
4	Overcast.....	Cloudy.....	9	9	
5	Cont. mod. snow.	Partly cloudy...	$\frac{1}{2}$	20	
6	Overcast.....	Cloudless.....	9	20	
7	Overcast.....	Partly cloudy...	20	20	No ice off shore. Light ice forming in coves.
8	Cloudless.....	.....	20	.....
9	Overcast.....	Overcast.....	20	9	
10	Cont. mod. snow.	Heavy snow storm, low drifting.	2	$\frac{1}{16}$	
11	Partly cloudy...	.....	9	.....
12	.....	Overcast.....	.....	9	
13	.....	Partly cloudy...	.....	20	Bergs and close packed ice. to horizon.
14	Partly cloudy...	Overcast.....	20	9	
15	Cont. mod. snow.	Cont. slight snow.	1	1	
16	Cont. slight snow.	Cont. slight snow.	1	1	
17	Cont. slight snow.	Overcast.....	$\frac{1}{2}$	9	
18	Overcast.....	Cont. slight snow.	9	$\frac{1}{4}$	
19	Slight snow storm, low.	Slight snow storm, low.	$\frac{1}{2}$	2	
20	Overcast.....	Cont. slight snow.	9	4	
21	Overcast.....	Int. slight snow.	9	9	Close packed ice to horizon.
22	Cont. slight snow.	.....	1	.....
23	Overcast drifting snow.	Slight snow storm, low.	4	4	
24	Slight int. snow.	Cloudy.....	2	9	
25	Overcast.....	Cont. slight snow.	9	2	
26	Slight int. snow.	Cont. slight snow.	1	$\frac{1}{2}$	
27	Slight int. snow.	Partly cloudy...	4	20	
28	Cloudless.....	Cloudless.....	20	20	
29	Cont. mod. snow.	Partly cloudy...	2	20	Close packed ice to horizon.
30	Cont. slight snow.	.....	1	.....

CHURCHILL METEOROLOGICAL REPORT, 1946

Date	Mean Barometer mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
July									
1.....	1013.8	61	40	NW	8	E	10	.....	.....
2.....	1015.1	64	42	W	16	ME	10	.....	.....
3.....	1019.6	52	41	N	18	E	14	.....	.....
4.....	1016.5	63	37	SE	15	SE	16	.....	Trace
5.....	1013.8	74	40	SE	8	SSW	15	.....	-.05
6.....	1013.4	67	50	SE	7	NE	14	.....	-.11
7.....	1015.4	48	42	WNW	20	NE	16	-.19	.....
8.....	1015.8	63	33	SE	6	SE	12	.....	.....
9.....	1006.6	53	47	E	4	N	13	-.05	.....
10.....	1011.0	45	42	N	18	N	18	.....	.....
11.....	1014.7	46	41	N	24	N	24	.....	-.03
12.....	1017.6	60	41	NW	20	N	5	-.24	-.03
13.....	1013.3	59	47	W	6	NE	8	.....	-.10
14.....	1023.0	65	42	NW	10	W	12	.....	.....
15.....	1014.0	76	52	W	22	ENE	12	.....	.....
16.....	1012.2	69	41	W	8	E	18	.....	.....
17.....	1009.5	60	43	E	15	NE	16	.....	.....
18.....	1014.8	54	43	E	15	ENE	15	.....	.....
19.....	1019.3	61	39	E	2	E	8	.....	.....
20.....	1018.6	78	51	SW	16	SW	20	.....	.....
21.....	1010.0	77	59	SW	24	SW	5	.....	-.34
22.....	1001.6	69	48	E	27	E	16	.....	-.06
23.....	996.6	48	42	NW	22	N	40	-.03	-.26
24.....	1010.0	51	39	.....	.....	NE	7	.....	.....
25.....	1013.4	67	41	W	10	SE	18	.....	.....
26.....	1000.9	71	52	S	12	S	15	-.01	-.46
27.....	1004.3	54	47	WNW	32	NW	35	-.12	.....
28.....	1018.0	61	42	NW	22	N	7	.....	.....
29.....	1020.2	70	43	SW	7	S	10	.....	.....
30.....	1012.4	80	55	S	10	.....	.....	-.29	.....
31.....	1002.4	84	60	Calm	.....	E	.....	Trace	-.75
Aug.									
1.....	1000.6	80	56	.....	.....	.....	.....	.....	.....
2.....	1003.1	74	60	W	.....	.....	.....	Trace	.....
3.....	994.6	68	55	.....	.....	.....	.....	.....	0.20
4.....	1000.4	58	43	NW	.....	NW	.....	.....	.....
5.....	1007.8	64	58	W	.....	E	.....	Trace	.....
6.....	1012.2	67	47	S	.....	E	.....	.....	.....
7.....	1015.2	63	50	SE	.....	E	.....	.....	.....
8.....	1017.9	52	45	E	.....	.....	.....	.....	.....
9.....	1023.0	57	44	W	.....	N	.....	.....	.....
10.....	1026.3	55	44	N	.....	ENE	.....	.....	.....
11.....	1019.6	72	54	W	.....	W	.....	.....	.....
12.....	1010.0	76	57	WSW	.....	.....	.....	Trace	.....
13.....	1005.5	57	52	NE	.....	ENE	.....	.....	.....
14.....	1007.9	54	45	NW	.....	N	.....	Trace	.....
15.....	1013.3	57	45	NNW	.....	E	.....	.....	.....
16.....	1018.6	58	49	S	.....	NNE	.....	.....	.....
17.....	1021.0	60	41	SW	.....	NE	.....	.....	.....
18.....	1014.8	69	42	S	.....	SW	.....	.....	.....
19.....	1018.2	52	47	NE	.....	N	.....	-.02	.....
20.....	1023.4	61	44	NW	.....	E	.....	.....	.....
21.....	1021.4	69	48	S	.....	SW	.....	.....	.....
22.....	1013.3	76	50	SW	.....	SW	.....	-.01	.....
23.....	1012.2	72	58	W	.....	NE	.....	.....	.....
24.....	1011.7	90	50	SE	.....	S	.....	.....	.....
25.....	1020.0	61	52	N	.....	NE	.....	-.07	.....
26.....	1023.0	55	50	NW	.....	NW	.....	.....	.....
27.....	1019.9	54	46	NW	.....	NE	.....	.....	.....
28.....	1019.6	58	45	N	.....	S	.....	.....	.....
29.....	1007.4	60	50	NW	.....	NNE	.....	.....	-.07
30.....	1003.0	52	45	NNE	.....	SE	.....	.....	1.35
31.....	1002.2	47	40	N	.....	NNW	.....	-.26	-.14

CHURCHILL METEOROLOGICAL REPORT, 1946

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
July					
1	Overcast.....	Cloudy.....	9	21	
2	Partly cloudy...	Cloudy.....	21	21	Shore ice moved out. No ice in river.
3	Partly cloudy...	Partly cloudy...	21	21	Small field loose scattered ice in bay.
4	Overcast.....	Overcast.....	21	21	No ice in sight.
5	Overcast.....	Overcast.....	9	21	"
6	Overcast.....	Cloudy.....	21	21	"
7	Rain and fog....	Partly cloudy...	9	21	"
8	Mist.....	Overcast.....	2	21	Open water, some ice to east on horizon.
9	Rain.....	Mist.....	2	1	
10	Mist.....	Drizzle and fog.	2	$\frac{1}{2}$	
11	Drizzle and fog.	Overcast.....	$\frac{1}{2}$	21	
12	Partly cloudy...	Cloudy.....	21	21	
13	Partly cloudy...	Cloudy.....	21	21	
14	Clear.....	Partly cloudy...	21	21	
15	Overcast.....	Partly cloudy...	21	21	
16	Partly cloudy...	Cloudy.....	21	21	
17	Partly cloudy...	Overcast.....	21	21	
18	Cloudy.....	Partly cloudy...	21	21	
19	Overcast.....	Partly cloudy...	21	21	
20	Partly cloudy...	Clear.....	21	21	
21	Cloudy.....	Cloudy.....	21	21	
22	Overcast.....	Mist.....	21	4	
23	Inter. rain.....	Drizzle and rain	2	1	
24		Partly cloudy...		21	
25	Clear.....	Overcast.....	21	21	
26	Cloudy.....	Inter. rain.....	21	21	
27	Cont. rain.....	Overcast.....	4	9	
28	Partly cloudy...	Clear.....	21	21	
29	Clear.....	Cloudy.....	21	21	
30	Cont. rain.....	Cloudy.....	9	21	
31	Rain showers...	Haze.....	21	9	
Aug.					
1	Fog.....	Partly cloudy..	$\frac{1}{2}$	21	No ice.
2	Overcast.....	Overcast.....	21	9	
3	Cloudy.....	Rain showers...	21	9	
4	Overcast.....	Cloudy.....	4	21	
5	Cloudy.....	Partly cloudy..	21	21	
6	Clear.....	Partly cloudy..	21	21	
7	Partly cloudy..	Clear.....	21	21	
8	Overcast.....	Cloudy.....	21	21	
9	Overcast.....	Partly cloudy..	21	21	
10	Cloudy.....	Partly cloudy..	9	21	
11	Overcast.....	Cloudy.....	21	21	
12	Overcast.....	Cloudy.....	21	21	
13	Cloudy.....	Cloudy.....	9	21	
14	Overcast.....	Overcast.....	21	9	
15	Overcast.....	Partly cloudy..	21	21	
16	Cloudy.....	Partly cloudy..	21	21	
17	Partly cloudy..	Cloudy.....	21	21	
18	Cloudy.....	Partly cloudy..	21	21	
19	Cont. rain.....	Partly cloudy..	4	21	
20	Clear.....	Partly cloudy..	21	21	
21	Cloudy.....	Partly cloudy..	21	21	
22	Cont. rain.....	Cloudy.....	9	21	
23	Overcast.....	Clear.....	21	21	
24	Partly cloudy..	Overcast.....	21	9	
25	Int. rain.....	Cloudy.....	9	21	
26	Partly cloudy..	Partly cloudy..	21	21	
27	Cloudy.....	Clear.....	21	21	
28	Overcast.....	Overcast.....	21	21	
29	Overcast.....	Cloudy.....	9	21	
30	Overcast.....	Cont. rain.....	21	4	
31	Cont. rain.....	Int. rain.....	4	4	

CHURCHILL METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
Sept.									
1.....	1016.2	43	39	N	24	NW	20	.....	.....
2.....	1017.2	46	38	NW	.....	NW	.....	Trace	.....
3.....	1007.2	58	30	.....	.....	E	.....	.....	.21
4.....	1005.3	52	46	NE	.....	NE	.....	.....	.....
5.....	1021.0	42	32	NE	.....	NW	.....	.....	.....
6.....	1021.6	50	40	NNW	.....	W	.....	Trace	Trace
7.....	1015.4	62	39	W	.....	NNW	.....	.....	.....
8.....	1013.0	51	39	WNW	.....	NW	.....	.14	.....
9.....	1006.8	54	36	.....	.....	SW	.....	.....	.....
10.....	1013.8	39	33	N	.....	NW	.....	.....	m
11.....	1016.9	65	34	W	.....	W	.....	.....	.....
12.....	1013.8	67	44	SW	.....	W	.....	.....	.01
13.....	1002.4	62	49	SW	.....	NE	.....	.09	Trace
14.....	1003.7	47	45	SW	.....	NNW	.....	.....	.....
15.....	1008.7	50	44	SE	.....	NE	.....	.05	.....
16.....	1006.8	51	44	E	.....	SE	.....	Trace	.....
17.....	1001.4	46	42	NNW	.....	NE	.....	Trace	.01
18.....	1017.8	41	38	N	.....	N	.....	.....	Trace
19.....	.....	52	35	.....	.....	SW	.....	Trace	.....
20.....	996.8	52	33	NW	.....	NE	.....	.08	.24
21.....	989.8	46	38	SW	.....	N	.....	.....	.02
22.....	1009.5	42	40	NE	.....	NE	.....	.06	.....
23.....	1012.8	43	38	NE	.....	NE	.....	.04	.08
24.....	999.6	42	39	NE	.....	NW	.....	.29	.26
25.....	995.6	38	33	NW	.....	NW	.....	.02	.20
26.....	1002.9	37	33	WNW	.....	NW	.....	.....	.....
27.....	1012.8	40	32	NW	.....	NWW	.....	.....	.....
28.....	1017.4	37	30	WNW	.....	NW	.....	Trace	.....
29.....	1024.6	34	29	WNW	.....	NW	.....	.....	.....
30.....	1023.4	40	29	W	.....	SE	.....	.....	.....
October									
1.....	.....	46	34	.....	.....	NW	.....	.....	.....
2.....	1016.3	41	36	NNW	.....	E	.....	.....	.....
3.....	1002.7	40	34	SE	.....	E	.....	.03	.55
4.....	996.9	40	36	NNW	.....	NW	.....	.03	Trace
5.....	1025.2	37	30	NW	.....	NW	.....	Trace	.....
6.....	1032.3	35	30	N	.....	N	.....	.....	.04
7.....	1026.6	43	27	SW	.....	SW	.....	.....	.....
8.....	1009.4	38	30	S	.....	SE	.....	.....	.14
9.....	994.1	37	32	SW	.....	W	.....	.....	.08
10.....	1011.2	28	22	NW	.....	NW	.....	Trace	Trace
11.....	1013.6	25	17	NW	.....	NW	.....	.....	.01
12.....	1008.6	20	16	NNW	.....	NW	.....	.....	.01
13.....	1013.8	25	14	NW	.....	NW	.....	.....	.....
14.....	1019.5	20	15	W	.....	NW	.....	.....	Trace
15.....	1021.3	22	12	NW	.....	W	.....	Trace	.....
16.....	1011.7	32	14	W	.....	W	.....	.....	Trace
17.....	993.3	31	20	SSE	.....	NW	.....	.02	.24
18.....	1008.0	27	20	NNW	.....	NW	.....	.....	.....
19.....	1010.7	30	15	NW	.....	SW	.....	Trace	.....
20.....	998.5	32	18	E	.....	W	.....	.01	.....
21.....	1010.6	29	16	N	.....	NE	.....	.....	.....
22.....	1003.7	30	22	E	.....	NE	.....	.11	Trace
23.....	1013.8	32	28	WNW	.....	E	.....	.....	Trace
24.....	999.9	32	28	ENE	.....	NE	.....	.....	.06
25.....	987.4	31	29	NE	.....	NE	.....	.04	.01
26.....	1008.3	22	7	NW	.....	NW	.....	.....	.01
27.....	1028.0	12	4	NW	.....	W	.....	.....	.....
28.....	1026.9	20	4	WSW	.....	SE	.....	.....	.....
29.....	1017.0	28	7	E	.....	SE	.....	.....	.....
30.....	997.8	31	26	SE	.....	E	.....	.....	.04
31.....	.....	29	21	.....	.....	SW	.....	.....	.03

CHURCHILL METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Sept.					
1	Int. rain.....	Cloudy.....	4	9	No ice.
2	Overcast.....	Partly cloudy..	21	21	
3	Clear.....	Cont. rain.....	21	9	
4	Overcast.....	Cloudy.....	9	21	
5	Overcast.....	Overcast.....	21	21	
6	Cloudy.....	Overcast.....	21	21	
7	Cloudy.....	Cloudy.....	21	21	
8	Cont. rain.....	Overcast.....	9	21	
9	Partly cloudy..	Overcast.....	21	21	
10	Overcast.....	Overcast.....	9	21	
11	Cloudy.....	Partly cloudy..	21	21	
12	Partly cloudy..	Cloudy.....	21	21	
13	Cloudy.....	Partly cloudy..	9	21	
14	.....	Drizzle and fog.	.....	$\frac{1}{4}$
15	Fog.....	Fog.....	2	$\frac{1}{8}$	No ice.
16	Drizzle and fog.	Drizzle and fog.	$\frac{1}{4}$	$\frac{1}{4}$	
17	Mist.....	Rain and fog....	4	1	
18	Overcast.....	Overcast.....	9	21	
19	.....	Clear.....	.....	21
20	Overcast.....	Fog.....	21	$\frac{1}{2}$	
21	Cloudy.....	Overcast.....	9	9	
22	Int. rain.....	Overcast.....	4	9	
23	Overcast.....	Overcast.....	9	9	
24	Continuous rain.	Rain and fog....	1	1	
25	Overcast.....	Overcast.....	21	9	
26	Overcast.....	Overcast.....	21	21	
27	Partly cloudy..	Partly cloudy..	21	21	
28	Overcast.....	Overcast.....	21	21	
29	Snow flurry....	Cloudy.....	21	21	
30	Overcast.....	Overcast.....	21	21	
Oct.					
1	Overcast.....	20	Small amount slob ice in river.
2	Overcast.....	Overcast.....	20	20	
3	Int. rain.....	Int. rain.....	4	9	
4	Rain and drizzle	Overcast.....	$\frac{1}{8}$	9	
5	Threatening...	Cloudy.....	20	20	
6	Cloudy.....	Overcast.....	20	20	
7	Overcast.....	Clear.....	20	20	
8	Partly cloudy..	Cont. rain.....	20	4	
9	Dense fog.....	Fog and drizzle.	$\frac{1}{2}$	9	
10	Int. snow.....	Overcast.....	4	4	
11	Cont. snow.....	Cont. drizzle...	9	2	
12	Cont. snow.....	Cont. snow.....	4	2	
13	Overcast.....	Partly cloudy...	9	20	
14	Overcast.....	Cloudy.....	20	20	
15	Partly cloudy..	Overcast.....	20	20	River full slob ice. Lakes frozen to depth of 8 inches. Some fields slob ice in bay.
16	Clear.....	Cloudy.....	20	20	
17	Cont. snow.....	Cont. snow.....	2	$\frac{1}{2}$	
18	Overcast.....	Drifting snow...	4	4	
19	Int. snow.....	Int. snow.....	9	4	Fields slob ice in bay.
20	Int. snow.....	Overcast.....	9	20	
21	Overcast.....	Overcast.....	9	20	
22	Cont. snow.....	Overcast.....	$\frac{1}{2}$	1	
23	Overcast.....	Overcast.....	9	9	
24	Int. drizzle...	Cont. snow.....	9	$\frac{1}{2}$	
25	Cont. snow.....	Cont. snow.....	1	2	
26	Blowing snow...	Cont. snow.....	$\frac{1}{2}$	1	
27	Overcast.....	Overcast.....	4	20	
28	Overcast.....	Overcast.....	20	4	
29	Cloudy.....	Cont. snow.....	20	1	
30	Overcast.....	Cont. snow.....	4	2	
31	.....	Overcast.....	9	.....

CHURCHILL METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
November									
1.....	1004.1	31	10	SSE	.....	SE	.....	.....	.....
2.....	1004.4	32	25	S	.....	SW	.....	.....	.....
3.....	1007.3	23	18	W	.....	NW	.....	.....	Trace
4.....	1020.8	10	6	WNW	.....	NW	.....	Trace	.....
5.....	1017.7	23	6	NW	.....	E	.....	.....	.....
6.....	1010.8	32	11	NE	.....	E	.....	.....	.....
7.....	1008.3	30	26	ENE	.....	NE	.....	.05	.17
8.....	1014.0	21	14	N	.....	NW	.....	.03	.....
9.....	1017.8	10	4	WNW	.....	S	.....	.....	.....
10.....	1016.0	19	-7	S	.....	W	.....	.....	.....
11.....	1017.0	21	10	Calm	.....	NW	.....	Trace	Trace
12.....	1009.6	22	7	SW	.....	SW	.....	Trace	Trace
13.....	1013.2	17	7	.....	.....	NW	.....	.....	.....
14.....	1006.3	24	10	SE	.....	SE	.....	.01	.....
15.....	1007.8	28	18	NW	.....	SE	.....	Trace	.01
16.....	1020.3	6	0	NW	.....	N	.....	.04	.01
17.....	1025.2	-6	-10	NNW	.....	N	.....	.....	.....
18.....	1025.9	-16	-22	NW	.....	NW	.....	.....	.....
19.....	1018.5	-4	-22	WSW	.....	WNW	.....	.....	.....
20.....	1019.8	2	-11	NW	.....	WSW	.....	.....	.....
21.....	1012.9	8	-8	W	.....	W	.....	.....	.....
22.....	1011.2	2	-9	NW	.....	W	.....	Trace	.....
23.....	1006.1	-7	-18	W	.....	NW	.....	.....	.....
24.....	.....	-5	-17	.....	.....	W	.....	.....	.....
25.....	992.8	-2	-9	SW	.....	W	.....	.....	.....
26.....	997.4	-3	-12	WNW	.....	NW	.....	.....	.....
27.....	1011.1	-2	-12	NW	.....	NW	.....	.....	.....
28.....	1009.3	8	-10	NNW	.....	WNW	.....	.....	.....
29.....	1015.0	2	-9	.....	.....	W	.....	.....	.....
30.....	.....	2	-11	.....	.....	NW	.....	.....	.....

CHURCHILL METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Nov.					
1	Clear.....	Overcast.....	20	20	
2	Partly cloudy...	Overcast.....	9	20	
3	Cont. snow.....	Cloudy.....	4	9	
4	Drifting snow...	Partly cloudy...	$2\frac{1}{2}$	.....
5	Partly cloudy...	Overcast.....	20	20	
6	Overcast.....	Overcast.....	20	20	River frozen to mouth. Bay full of heavy slob ice.
7	Overcast.....	Cont. snow.....	20	4	
8	Cont. snow.....	Blowing snow...	1	4	
9	Cloudy.....	Partly cloudy...	20	20	
10	Partly cloudy...	Overcast.....	20	9	
11	Overcast.....	Overcast.....	4	9	
12	Overcast.....	Overcast.....	9	9	
13	Drifting snow...	Cloudy.....	4	9	Much open water in river and bay.
14	Cont. snow.....	Overcast.....	2	.....
15	Overcast.....	Int. snow.....	4	4	
16	Cont. snow, heavy.	Cont. snow.....	$\frac{1}{16}$	$\frac{1}{4}$	
17	Partly cloudy...	Partly cloudy...	4	20	
18	Clear.....	Clear.....	20	20	
19	Clear.....	Blowing snow...	20	20	Heavy drift and slob ice in bay.
20	Clear.....	Overcast.....	20	20	
21	Overcast.....	Cloudy.....	9	20	
22	Int. snow.....	Clear.....	4	20	
23	Partly cloudy...	Blowing snow heavy.	20	20	
24	.....	Partly cloudy...	.....	4	
25	Mist.....	Cloudy.....	9	20	
26	Clear.....	Cloudy.....	4	20	
27	Clear.....	Partly cloudy...	4	20	
28	Drifting snow...	Drifting snow...	4	$\frac{1}{2}$	
29	Partly cloudy...	Overcast.....	4	4	
30	.....	Cloudy.....	.....	4	River frozen, ice fields to horizon.

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
July									
1.....	1010.4	52	33	S	5	S	10		
2.....	1005.9	47	41	N	21	N	21	Trace	
3.....	1017.0	50	37	N	10	SW	15		
4.....	1018.8	48	36	N	2	S	10		
5.....	1014.1	42	32	S	15	SW	21	.10	.23
6.....	1011.6	56	36	W	5	N	21	.44	
7.....	1014.0	61	38	Calm		S	21		
8.....	1010.8	70	38.5	N	5	NW	15		
9.....	1012.2	37	33	E	10	E	15		
10.....	1015.0	42	36	E	15	E	15		
11.....	1016.3	45	35	NE	10	ESE	10		
12.....	1013.5	45	38	N	10	SW	5		
13.....	1014.2	58	35	N	10	N	10		
14.....	1011.4	70	43	N	15	NW	28		
15.....	1007.5	57	42	N	15	S	10		
16.....	1010.8	62	39	N	10	S	5		
17.....	1009.0	63	46	N	10	S	5		
18.....	1011.0	77	46	NW	10	N	15		
19.....	1012.5	79	59	NW	15	N	10		
20.....	1010.9	84	52.5	NW	10	W	15		
21.....	1002.4	73	46	SSW	5	NW	28	Trace	
22.....	1010.0	46	39	N	15	S	5		
23.....	1003.3	44	37.5	E	21	NE	15	.27	.36
24.....	1007.8	52	37	N	21	N	15		
25.....	1009.5	69	40	NW	10	W	15		
26.....	1002.1	56	42	SW	15	S	15		
27.....	999.7	44	39	E	15	NE	5	.13	.11
28.....	1011.1	60	41	N	15	N	10	.81	.10
29.....	1015.2	72	45	W	10	N	10		
30.....	1009.6	54.5	40.5	S	10	SSW	15		
31.....	1001.2	75	51	S	10	SW	10	.09	.02
August									
1.....	997.5	60	41	S	2	S	1		Trace
2.....	1007.5	50	42	N	2	SE	10		
3.....	997.1	43	40	E	28	E	10	1.25	
4.....	998.0	51	40	NE	10	SE	5	.02	
5.....	1002.0	58	45	N	15	Calm			
6.....	1011.5	54	41	N	10	S	5		
7.....	1018.0	57	41	N	2	S	5		
8.....	1018.8	58	41.2	N	10	SE	2		
9.....	1022.3	58	41	S	2	NE	5		
10.....	1022.5	56	42	N	5	S	15		
11.....	1014.7	65	43	N	10	W	15		Trace
12.....	1002.1	56	49	NW	15	N	15	Trace	
13.....	998.5	53	41	N	21	N	21		
14.....	1004.5	58	42	N	15	E	5		
15.....	1009.5	54	42	N	10	N	10		Trace
16.....	1015.7	62	43	N	10	N	10	Trace	
17.....	1014.9	68	47	NW	15	N	15		
18.....	1007.5	67	40.5	Calm		NNW	28		Trace
19.....	1014.1	58	40	N	21	N	15		
20.....	1017.4	65	48	NW	10	N	10		
21.....	1015.2	59.8	41.5	W	10	S	5		
22.....	1010.4	52	39.8	S	10	SW	21		
23.....	1009.8	62	42.2	SW	2	SE	2		
24.....	1011.7	54.2	38.8	S	10	S	15		.06
25.....	1011.6	53	41.5	NW	15	NW	28	.01	
26.....	1013.4	47	42	NW	28	NW	28	Trace	
27.....	1013.3	53.5	40	N	15	N	2		
28.....	1014.1	54	33.4	N	50	S	5		
29.....	1002.2	50	41.8	N	5	NE	15	.04	.06
30.....	1001.8	46	40	N	15	E	2	.04	.03
31.....	1005.0	41	34.1	NE	28	NE	15	.10	.0

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
July					
1	Overcast.....	Cloudy.....	9	20	Harbour frozen. No ice to north. Open water extends 2 miles up inlet.
2	Overcast.....	Overcast.....	9	20	
3	Overcast.....	Partly cloudy...	9	20	
4	Clear.....	Cloudy.....	20	20	
5	Overcast.....	Overcast.....	9	9	Open water extends 5 miles up inlet. No ice off shore. Harbour frozen solid.
6	Fog, sky disc...	Partly cloudy...	$\frac{1}{2}$	20	
7	Cloudy.....	Cloudy.....	20	9	
8	Overcast.....	Partly cloudy...	9	20	
9	Fog, sky disc...	Overcast.....	$\frac{1}{2}$	4	Ice moving out of inlet. Harbour ice extends 300 yards off shore.
10	Cloudy.....	Partly cloudy...	20	20	
11	Cloudy.....	Overcast.....	20	20	
12	Overcast.....	Partly cloudy...	20	20	
13	Clear.....	Cloudy.....	20	20	Ice moved out of harbour. Scattered drift ice to horizon.
14	Clear.....	Overcast.....	20	20	
15	Overcast.....	Partly cloudy...	9	20	
16	Clear.....	Clear.....	20	20	
17	Overcast.....	Clear.....	9	20	No ice in sight.
18	Clear.....	Partly cloudy...	20	20	
19	Clear.....	Clear.....	20	20	
20	Clear.....	Clear.....	20	20	
21	Cloudy.....	Partly cloudy...	9	20	
22	Cloudy.....	Overcast.....	20	20	
23	Cont. rain.....	Overcast.....	4	9	
24	Partly cloudy...	Clear.....	20	20	
25	Clear.....	Clear.....	20	20	
26	Cloudy.....	Overcast.....	20	9	
27	Cont. rain.....	Overcast.....	2	4	
28	Cont. rain.....	Cloudy.....	2	20	
29	Clear.....	Clear.....	20	20	
30	Clear.....	Overcast.....	20	4	
31	Int. rain.....	Overcast.....	4	20	
Aug.					
1	Fog, sky disc...	Fog at dist.....		9	
2	Partly cloudy...	Dense fog.....	20	$\frac{1}{16}$	
3	Cont. rain mod.	Mist.....	1	1	
4	Fog, sky disc...	Overcast.....	$\frac{1}{4}$	9	
5	Overcast.....	Cloudy.....	9	20	
6	Partly cloudy...	Overcast.....	20	20	
7	Clear.....	Clear.....	20	20	
8	Clear.....	Clear.....	20	20	
9	Overcast.....	Cloudy.....	9	9	
10	Clear.....	Partly cloudy...	20	20	
11	Partly cloudy...	Int. rain.....	20	9	
12	Overcast.....	Partly cloudy...	9	20	
13	Overcast.....	Overcast.....	9	9	
14	Overcast.....	Cloudy.....	9	9	
15	Clear.....	Overcast.....	20	9	
16	Overcast.....	Partly cloudy...	9	20	
17	Cloudy.....	Partly cloudy...	20	20	
18	Cloudy.....	Overcast.....	9	9	
19	Cloudy.....	Cloudy.....	9	20	
20	Cloudy.....	Cloudy.....	9	20	
21	Overcast.....	Partly cloudy...	9	20	
22	Clear.....	Overcast.....	20	20	
23	Overcast.....	Partly cloudy...	20	20	
24	Partly cloudy...	Fog, sky disc...	9	1	
25	Cloudy.....	Cloudy.....	9	20	
26	Int. rain.....	Overcast.....	9	9	
27	Overcast.....	Partly cloudy...	9	20	
28	Clear.....	Overcast.....	20	20	
29	Overcast.....	Cont. rain.....	20	9	
30	Overcast.....	Overcast.....	9	9	
31	Int. rain.....	Overcast.....	4	9	

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
				8.00 a.m.		8.00 p.m.			
		Max.	Min.	Dir.	Vel.	Dir.	Vel.	a.m.	p.m.
1946		°F.	°F.					Inches	Inches
Sept.									
1.....	1013.9	48	32	NE	21	N	15		
2.....	1014.0	36	36	NE	10	N	5		
3.....	1007.1		32	N	10				
4.....	1003.0	54	38	SW	5	NW	21		
5.....	1010.6	37	35	WNW	10	NW	15		
6.....	1011.1	35	28	NW	50	N	15		
7.....	1005.6	43				N	15		.02
8.....	1006.5	37				N	27		
9.....	1012.0		31	NNE	10				
10.....	1007.9	41	31	N	21	N	21		
11.....	1005.2	48	54	W	10	N	21		.04
12.....	1005.4	36				SE	15		.02
13.....	1009.3	33	30	NE	15	E	5		
14.....	1011.8	11	30	SE	15				
15.....	1020.4	37	33	SE	21	ESE	21	Trace	
16.....	1019.2	38	35	SE	21	SE	27		Trace
17.....	1006.6	35	35	E	38	E	27	6.0	
18.....	1010.1		31	E	21			0	
19.....	1007.3	47	30	WSW	34	N	15	0	0
20.....	1008.5		32	E	10	E		Trace	
21.....	998.8	33	31	E	34	E	40	Trace	0
22.....	1011.5	30	29	NE	21	NE	10	0	0
23.....	1022.4		28	SE	5			0	
24.....	1008.4	30	30	E	27	S	10	.01	.05
25.....	985.6	34	34	E	34	NE	15	.15	0.3
26.....	986.9	36				N	21		.10
27.....	1001.4	35	32	N	15	N	15	.02	0
28.....	1008.1	28	26	NW	15	NW	21	0	
29.....	1008.4		25	NW	27			.04	
30.....	1021.5		20	N	21			0	

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Sept.					
1	Partly cloudy..	Overcast.....	9	20	
2	Overcast.....	Partly cloudy..	20	20	
3	Cloudless.....		20		
4	Overcast.....	Overcast.....	20	9	
5	Overcast.....	Light snow.....	4	9	
6	Cloudy.....	Cloudy.....	4	9	
7		Int. drizzle.....		9	
8		Cloudy.....		9	
9	Overcast.....		9		
10	Overcast.....	Partly cloudy..	9	20	
11	Overcast.....	Int. drizzle.....	9	9	
12		Overcast.....		9	
13	Overcast.....	Overcast.....	9	20	
14	Overcast.....		9		
15	Int. drizzle.....	Overcast.....	4	9	
16	Overcast.....	Int. drizzle.....	9	4	
17	Rain.....	Overcast.....	1	9	
18	Overcast.....		9		
19	Overcast.....	Overcast.....	39	9	
20	Overcast.....		9		
21	Overcast.....	Overcast.....	6	9	
22	Overcast.....	Overcast.....	9	9	
23	Overcast.....		9		
24	Overcast.....	Ice crystals.....	9	1	
25	Cont. slight rain	Cont. slight drizzles.	1	1	
26		Cont. light snow in flakes.		6	
27	Overcast.....	Overcast.....	9	9	
28	Overcast.....	Overcast.....	20	7	
29	Cont. light snow		9		
30	Partly cloudy..				

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
Oct.									
1.....	1010.7	34	30	S	27	SE	15	.....	.01
2.....	1015.9	35	34	SE	10	SE	4	.08	.....
3.....	1015.6	34	33	NE	10	E	27	.02	.....
4.....	1003.8	32	32	E	42	E	27	0.7	.08
5.....	1017.8	39	30	N	21	NNW	15	.....	.....
6.....	1023.9	23	.....	.....	.....	N	10	.....	.....
7.....	1018.1	34	14	SW	21	SW	27	.....	.....
8.....	1001.6	34	32	W	21	SW	15	.....	.....
9.....	996.5	34	33	SW	10	NE	15	.....	.....
10.....	999.3	34	31	NE	15	NE	21	.10	.03
11.....	1008.0	26	25	NE	21	N	21	Trace	.04
12.....	1007.1	22	18	N	21	NW	21	.....	.....
13.....	1003.0	17	13	NW	35	NW	27	.....	.....
14.....	1009.6	11	04	NW	27	NW	27	.....	.....
15.....	1012.0	06	05	N	21	NW	27	Trace	.....
16.....	1001.2	08	02	W	15	W	5	.....	.....
17.....	996.9	30	18	SE	27	SE	21	.03	Trace
18.....	1006.8	30	28	SE	15	NW	10	.02	.....
19.....	1010.1	30	02	NW	21	NW	15	.04	.....
20.....	1004.1	14	14	N	10	NE	10	.....	.....
21.....	1007.8	12	08	NE	21	N	15	.....	.....
22.....	1012.0	24	.....	.....	.....	NE	21	.....	.01
23.....	1017.8	24	12	NE	10	SE	10	.....	.....
24.....	1011.5	27	22	SE	27	SE	21	.01	.....
25.....	998.1	22	21	E	35	NE	35	.....	.....
26.....	1004.9	06	05	NE	27	N	21	.....	.....
27.....	1016.7	04	01	N	27	NW	21	.....	.....
28.....	1024.2	05	04	NW	27	N	15	.....	.....
29.....	1021.2	23	04	W	5	S	27	.....	Trace
30.....	1007.8	29	22	S	27	S	15	.03	.....
31.....	995.4	27	27	S	10	NNW	10	.02	.....

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Oct.					
1	Overcast.....	Overcast.....	9	1	
2	Overcast.....	Overcast.....	9	9	
3	Overcast.....	Overcast.....	9	9	
4	Cont. mod. snow.	Cont. mod. snow.	$\frac{1}{2}$	$\frac{1}{2}$	
5	Overcast.....	Cloudy.....	4	20	
6	.....	Overcast.....	.....	20	
7	Overcast.....	Overcast.....	9	9	
8	Overcast.....	Overcast.....	9	9	
9	Overcast.....	Cont. slight snow.	9	1	
10	Cont. slight rain.	Cont. slight snow.	1	$\frac{1}{4}$	
11	Overcast.....	Overcast.....	9	9	
12	Overcast.....	Overcast.....	9	9	
13	Heavy snow low storm.	Heavy snow storm.	$\frac{1}{4}$	$\frac{1}{4}$	
14	Slight snow low storm.	Slight snow storm.	$\frac{1}{2}$	$\frac{1}{2}$	
15	Overcast.....	Partly cloudy..	9	9	
16	Overcast.....	Overcast.....	9	9	
17	Cont. slight snow.	Int. slight snow.	1	4	
18	Overcast.....	Int. slight snow.	9	4	
19	Partly cloudy..	Cloudless.....	7	20	
20	Partly cloudy..	Overcast.....	9	9	
21	Cloudless.....	Cloudless.....	9	9	
22	.....	Int. slight snow.	.....	9	
23	Partly cloudy..	Overcast.....	9	9	
24	Overcast.....	Overcast.....	9	4	
25	Overcast.....	Slight snow storm.	9	$\frac{1}{2}$	
26	Cloudless.....	Cloudy.....	9	9	
27	Cloudy.....	Partly cloudy..	9	9	
28	Clear.....	Overcast.....	9	9	
29	Overcast.....	Int. slight snow.	9	4	Harbour and Bay frozen to horizon. Inlet mostly frozen.
30	Cont. slight snow.	Slight snow.....	4	1	
31	Cont. slight snow.	Cloudless.....	4	9	Ice lying one mile off shore and extending to horizon.

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946—*Conc.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
November									
1.....	1012.5	22	04	Calm	Calm	W	5		
2.....	1008.3	30	17	SE	15	SE	27		.07
3.....	992.6	25				N	27		
4.....	1004.2	04	03	NW	42	NW	42		
5.....	1013.7		-08	NW	35	NW	15		
6.....	1015.6	23	-05	SE	10	S	10	.05	
7.....	1015.1	26	17	SE	15	SE	10	.01	
8.....	1013.0	25	25	SE	15	NW	15	.25	
9.....	1013.7	12	02	N	21	N	10		
10.....	1014.6	- 9	-11	N	10	NW	21		
11.....	1012.2	15	-01	NW	10	NW	21		.22
12.....	1008.5		04	NW	27				
13.....	1010.1	01				NW	15		
14.....	1013.1	10	-10	N	15	SE	15		
15.....	1018.4	05	05	E	21	NE	21	.02	
16.....	1025.0	-08	-11	NE	27	NE	21		
17.....	1016.8	-15	-17	N	27	N	27		
18.....	1009.3	-21	-29	NW	35	ENE	35		
19.....	997.4	-01	-22	ENE	27	NW	35		
20.....	1005.6	-04	-05	N	27	ENE	10		
21.....	1008.9	-05	-14	NW	2	Calm			
22.....	1000.8		-14	N	15				
23.....	1000.8	06				N	27		
24.....	986.3	05	-02	SW	21	SE	21		
25.....	991.4	-01	-01	SE	15	SE	10	Trace	Trace
26.....	996.4	02	-02	ESE	27	NE	27	.02	Trace
27.....	1003.2	-01	-03	N	15	NW	15		.01
28.....	1002.7	-12	-20	N	15	N	15		
29.....	1005.1	01	-12	N	15	N	21		Trace
30.....	1008.2		-02	N	15				

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1946—*Contc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Nov.					
1	Distant fog.....	Cloudy.....	4	9	Harbour and bay frozen to horizon.
2	Cloudless.....	Cont. mod. snow.	9	$\frac{1}{2}$	
3	.....	Overcast.....	.....	9	Harbour clear of ice. Drift ice several miles off shore and extending to horizon.
4	Heavy snow, storm high.	Heavy snow storm high.	$\frac{1}{4}$	.....
5	Heavy snow storm drifting low.	Low fog.....	$\frac{1}{4}$	1	Harbour and bay frozen over to horizon.
6	Overcast.....	Overcast.....	9	9	
7	Overcast.....	Overcast.....	9	9	Harbour frozen over. Packed ice extends to horizon.
8	Cont. slight snow.	Cont. slight snow.	4	4	
9	Cloudless.....	Low fog.....	9	9	" " "
10	Overcast.....	Cloudless.....	9	9	" " "
11	Overcast.....	Cloudless.....	9	4	" " "
12	Cloudless.....	.....	9	.....	" " "
13	.....	Partly cloudy...	.....	9	" " "
14	Overcast.....	Overcast.....	9	9	" " "
15	Slight snow storm drifting low.	Slight snow storm drifting low.	$\frac{1}{2}$	1	" " "
16	Slight snow storm drifting low.	Cloudless.....	$\frac{1}{2}$	9	" " "
17	Cloudless.....	Heavy snow storm drifting low.	4	1	" " "
18	Heavy snow storm drifting high.	Heavy snow storm, high.	1	.....	" " "
19	Heavy snow storm, high.	Heavy snow storm, high.	.....	$\frac{1}{16}$	" " "
20	Heavy snow storm, high.	Cloudless.....	$\frac{1}{16}$	9	" " "
21	Cloudless.....	Cloudless.....	9	9	" " "
22	Overcast.....	.....	9	.....	" " "
23	.....	Heavy snow storm, high.	.....	.....	" " "
24	Partly cloudy...	Overcast.....	9	4	" " "
25	Cont. slight snow.	Slight int. snow.	1	4	" " "
26	Cont. slight snow.	Partly cloudy...	4	1	Solid ice extending to horizon.
27	Overcast.....	Cloudless.....	9	9	"
28	Cloudless.....	Cloudless.....	9	9	"
29	Overcast.....	Cont. slight snow.	9	$\frac{1}{2}$	"
30	Cloudless.....	.....	9	.....	"

PORT HARRISON METEOROLOGICAL REPORT, 1946

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.	Inches	Inches
1946		°F.	°F.						
July									
1.....	1002.0	51	31	NE	12	NE	24	.....	·27
2.....	1002.0	47	36	NNE	18	NW	17	·34	·01
3.....	1007.0	49	34	NNW	10	NNW	18	·01	.....
4.....	1022.3	39	31	W	6	WSW	8	.....	.....
5.....	1020.1	57.5	26	E	4	E	20	.....	.....
6.....	1019.6	57	34.5	NE	6	W	8	.....	.....
7.....	1017.1	44	35	S	5	WSW	7	.....	·13
8.....	1018.8	62	36	E	14	NE	10	.....	.....
9.....	1018.1	54	41	S	3	SSW	9	.....	·04
10.....	1008.0	46	40	S	21	S	18	·09	·05
11.....	994.0	59	40	S	12	SSE	20	·07	·67
12.....	985.9	46	32	SE	21	N	30	·05	·09
13.....	1002.8	41	34	N	24	N	24	·01	·02
14.....	1012.7	46	33	NNW	11	NW	15	.....	.....
15.....	1008.8	45	34	W	18	W	24	.....	Trace
16.....	1012.0	42.5	30	N	6	W	15	Trace	.....
17.....	1013.0	46	34	W	15	WSW	10	.....	.....
18.....	1011.6	56	33	Calm	.....	N	14	.....	.....
19.....	1015.3	55	36	NW	5	WSW	10	.....	.....
20.....	1017.8	50	36	S	1	W	6	.....	.....
21.....	1018.4	47.5	37	SSW	10	WSW	8	.....	.....
22.....	1015.3	57	38	S	12	S	16	.....	.....
23.....	1005.8	67	44	S	7	S	21	.....	·15
24.....	993.3	51	35	S	12	SW	20	·38	.....
25.....	1000.2	40	33	S	16	W	9	.....	·01
26.....	1007.8	49	36	NW	12	NW	12	·21	.....
27.....	1005.2	54	34	S	24	S	22	.....	·13
28.....	1001.5	43	35	S	23	S	6	·05	.....
29.....	1012.8	65	37	S	2	N	18	.....	.....
30.....	1023.1	58	40.5	E	4	W	10	.....	.....
31.....	1021.3	49	37	S	16	S	20	.....	.....
Aug.									
1.....	1011.4	52	39	S	21	SW	21	.....	Trace
2.....	1011.7	49	36	WSW	5	S	5	Trace	.....
3.....	1004.6	50	44	SE	10	S	10	.....	.....
4.....	996.8	48	39	N	2	S	21	·52	.....
5.....	997.0	36	.....	.....	.....	S	15	.....	Trace
6.....	1001.6	37	34	S	15	SSW	10	.....	Trace
7.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8.....	1013.4	59	33	SE	10	NE	15	Trace	.....
9.....	.....	51	43	ENE	21	NE	15	.....	.....
10.....	1015.7	64	47	N	10	N	15	.....	.....
11.....	1008.2	67	41	NE	10	N	21	.....	.....
12.....	1009.6	55	38	N	10	SW	10	.....	.....
13.....	1003.3	42	.....	.....	.....	SW	15	.....	·10
14.....	1007.6	38	31	SW	5	SW	10	Trace	.....
15.....	1002.6	.....	36	NE	15	.....	.....	·19	.....
16.....	1012.8	41	34	NW	5	W	15	.....	.....
17.....	1015.6	46	33	NW	10	WNW	15	.....	.....
18.....	1018.6	45	36	W	15	WSW	10	.....	.....
19.....	1015.8	56	34	SSW	10	NNW	5	.....	.....
20.....	1014.7	53	37	NE	15	N	21	.....	.....
21.....	1020.1	57	33	NE	5	N	15	.....	.....
22.....	1023.9	49	36	SW	5	SW	10	.....	.....
23.....	1025.4	51	37	S	10	S	15	.....	.....
24.....	1020.8	43	40	SW	15	SW	15	.....	.....
25.....	1018.6	.....	41	WNW	10	.....	.....	.....	.....
26.....	1018.0	55	39	N	15	WNW	15	.....	.....
27.....	1012.5	45	38	N	5	NNW	10	.....	.....
28.....	1010.5	48	36	N	15	N	15	.....	.....
29.....	1007.7	47	34	N	15	S	10	.....	.....
30.....	1001.6	42	34	S	15	SSE	21	Trace	·03
31.....	996.8	47	40	E	5	.....	.....	·08	.....

PORT HARRISON METEOROLOGICAL REPORT, 1946

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
July					
1	Cloudy.....	Int. rain.....	21	21	Ice breaking.
2	Cont. rain.....	Overcast.....	9	21	Ice in bay loose from shore.
3	Int. drizzle.....	Partly cloudy...	1	21	Ice moving down river.
4	Dense fog.....	Mist.....	$\frac{1}{2}$	2	River clear, loose pack to horizon.
5	Partly cloudy...	Partly cloudy...	21	21	
6	Clear.....	Cloudy.....	21	21	
7	Partly cloudy...	Int. rain.....	21	21	All ice out of bay, loose pack to horizon.
8	Fog in distance..	Clear.....	4	21	
9	Partly cloudy...	Overcast.....	21	21	
10	Overcast.....	Overcast.....	9	21	
11	Overcast.....	Thunderstorm..	21	$\frac{1}{4}$	
12	Int. drizzle.....	Overcast.....	9	21	
13	Overcast.....	Int. drizzle.....	9	21	
14	Cloudy.....	Cloudy.....	21	21	
15	Overcast.....	Overcast.....	21	21	
16	Fog, sky disc...	Overcast.....	$\frac{1}{2}$	21	
17	Cloudy.....	Partly cloudy...	21	21	Broken ice out to 10 miles.
18	Partly cloudy...	Partly cloudy...	21	21	
19	Partly cloudy...	Partly cloudy...	21	21	
20	Clear.....	Clear.....	21	30	
21	Clear.....	Clear.....	21	21	
22	Fog; sky disc...	Partly cloudy...	$\frac{1}{2}$	21	
23	Clear.....	Low mist.....	21	2	
24	Heavy fog.....	Heavy fog.....	$\frac{1}{8}$	$\frac{1}{2}$	
25	Low mist.....	Overcast.....	4	21	
26	Cont. rain.....	Clear.....	4	21	Ice moving in bay.
27	Partly cloudy...	Rain and fog...	21	1	
28	Fog and drizzle..	Overcast.....	$\frac{1}{2}$	21	
29	Heavy fog.....	Clear.....	$\frac{1}{2}$	21	
30	Partly cloudy...	Partly cloudy...	21	21	
31	Cloudy.....	Cloudy.....	21	21	
Aug.					
1	Overcast.....	Overcast.....	20	20	
2	Fog.....	Light fog.....	$\frac{1}{2}$	9	
3	Cloudy.....	Fog.....	20	0	
4	Fog and drizzle..	Fog.....	4	0	
5	.....	Fog and drizzle..	.....	4	
6	Rain and fog...	Thin fog.....	2	4	
7					
8	Overcast.....	Partly cloudy..	20	20	Heavy packed ice with open leads from islands to horizon. Harbour and river clear.
9	Overcast.....	Partly cloudy..	20	20	
10	Cloudy.....	Cloudy.....	20	20	
11	Partly cloudy...	Cloudy.....	20	20	
12	Partly cloudy...	Thunderstorm..	20	20	
13		Drizzle and fog..	.....	1	
14	Drizzle and fog..	Fog.....	$\frac{1}{2}$	9	
15	Rain.....		9	.....
16	Overcast.....	Overcast.....	9	9	
17	Overcast.....	Partly Cloudy..	9	20	
18	Overcast.....	Partly Cloudy..	20	20	No ice in sight.
19	Cloudy.....	Partly cloudy...	20	20	"
20	Overcast.....	Cloudless.....	.....	20	"
21	Clear.....	Cloudy.....	20	20	"
22	Cloudy.....	Partly cloudy...	20	20	"
23	Clear.....	Partly cloudy...	20	20	"
24	Partly Cloudy..	Clear.....	20	20	"
25	Partly Cloudy..	.....	20	.....	"
26	Overcast.....	Cloudy.....	20	20	"
27	Overcast.....	Overcast.....	20	20	"
28	Cloudy.....	Cloudy.....	9	20	"
29	Overcast.....	Cloudy.....	9	20	"
30	Thin fog.....	Light rain.....	4	4	"
31	Overcast.....	Overcast.....	20	20	"

PORT HARRISON METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1946		°F.	°F.					Inches	Inches
Sept.									
1.....	994.7	50	45	S	21	S	5	.....	.....
2.....	998.5	49	41	E	5	N	10	.....	.....
3.....	1003.9	.....	35	N	10	.....	.....	.04	.....
4.....	1009.1	50	36	SW	15	SSW	21	.04	.20
5.....	1012.6	30	34	S	15	N	15	.....	.....
6.....	1014.2	38	39	NE	10	NW	15	.....	.....
7.....	1012.6	41	32	NNW	21	WSW	15	.....	.03
8.....	1005.7	38	.....	.....	.....	Calm	.....	.....	.10
9.....	1009.8	37	34	NW	15	W	10	.....	.....
10.....	991.1	36	36	SE	27	Calm	.....	.....	.....
11.....	997.7	38	32	N	42	N	35	.03	Trace
12.....	1008.4	39	34	NW	15	W	10	.10	.....
13.....	1007.8	43	34	SW	21	W	10	.20	.....
14.....	1010.5	41	25	ESE	5	S	15	.05	.05
15.....	1009.2	48	38	NE	10	NNE	15	.10	.02
16.....	1019.6	44	.....	NE	.....	N	10	.....	.....
17.....	1017.8	.....	40	NNW	24	.....	.....	.....	.....
18.....	1003.2	.....	42	SW	10	.....	.....	.....	.....
19.....	1021.4	41	.....	NE	10	W	5	.....	.....
20.....	1013.9	.....	30	SE	5	.....	.....	.....	.....
21.....	995.2	58	40	SW	21	SW	34	.04	.....
22.....	1007.0	.....	41	NE	5	N	10	.07	.....
23.....	1013.8	.....	39	NE	.....	S	.....	.....	.....
24.....	1000.1	62	.....	SSE	15	S	21	.....	.01
25.....	996.5	45	40	S	15	S	10	.01	.07
26.....	997.0	41	.....	.....	.....	W	27	.....	.....
27.....	1007.5	37	33	W	34	W	15	Trace	Trace
28.....	1011.5	39	32	ENE	3	NW	15	Trace	.....
29.....	1020.3	.....	33	WSW	10	.....	.....	Trace	.....
30.....	1019.0	.....	28	W	10	.....	.....	.....	.....

PORT HARRISON METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Sept.					
1	Overcast.....	Cloudy.....	20	20	No ice in sight.
2	Overcast.....	Overcast.....	4	9	
3	Drizzle.....	.....	4	.....
4	Overcast.....	Rain.....	9	2	
5	Overcast.....	Overcast.....	20	9	
6	Overcast.....	Cloudy.....	9	20	
7	Partly cloudy..	Drizzle and fog.	20	4	
8	.....	Snow.....	.....	2
9	Cloudy.....	Overcast.....	20	9	
10	Heavy rain....	Fog.....	4	2	
11	Continous rain..	Overcast.....	2	20	
12	Overcast.....	Overcas.....	4	20	
13	Partly cloudy..	Rain and fog....	20	4	
14	Light fog.....	Rain and fog....	4	30	
15	Drizzle and fog.	Overcast.....	$\frac{1}{2}$	20	
16	Overcast.....	Overcast.....	20	20	
17	.....	.....	9	.....
18	Overcast.....	.....	9	.....
19	Overcast.....	Partly cloudy..	20	20	
20	Light fog.....	.....	1	.....
21	Drizzle and fog.	Cloudy.....	$\frac{1}{8}$	9	
22	Low fog.....	Cloudy.....	$\frac{5}{16}$	20	
23	Fog becoming thicker.	.....	$\frac{1}{8}$	.....
24	Cloudy.....	Fog becoming thicker.	20	$\frac{1}{8}$	
25	Fog—no change.	Rain and fog....	$\frac{1}{8}$	6	
26	.....	Cloudy.....	.....	9
27	Overcast.....	Showers, slight snow.	9	9	
28	Overcast.....	Cloudy.....	9	9	
29	Overcast.....	.....	9	.....
30	Cloudy.....	.....	20	.....

PORT HARRISON METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1946									
October									
1.....	1024.5	37	31	NNW	10	SE	10	.....	.....
2.....	1016.7	37	31	SE	10	E	5	.01	.....
3.....	1015.4	39	33	SE	10	E	5	.03	.....
4.....	994.7	44	33	ESE	21	W	27	.....	.07
5.....	1003.5	39	38	SW	21	NW	21	.03	.03
6.....	1022.0	33	31	NW	21	N	15	Trace	.....
7.....	1029.1	31	28	N	15	N	10	Trace	.....
8.....	1024.4	32	28	W	15	WSW	21	.....	.....
9.....	1007.4	37	32	S	21	S	21	Trace	Trace
10.....	1005.8	40	36	SW	5	W	10	Trace	.....
11.....	1006.1	37	32	W	10	E	15	.01	Trace
12.....	987.4	42	34	S	15	SE	21	.07	.04
13.....	1003.0	35	33	W	15	W	21	.20	Trace
14.....	1020.1	31	.....	.....	.....	W	21	.....	Trace
15.....	.....	29	.....	.....	.....	W	10	.....	.....
16.....	1007.5	30	24	WNW	10	N	42	Trace	Trace
17.....	1007.1	31	17	Calm	.....	SE	10	Trace	.....
18.....	999.1	31	25	E	21	.....	.....	.02	.....
19.....	1002.3	29	18	N	21	N	5	.....	.....
20.....	1007.4	32	13	SE	10	SE	15	Trace	.02
21.....	998.1	34	31	SW	15	WNW	35	.06	Trace
22.....	1008.3	32	.....	.....	.....	ESE	15	.....	.....
23.....	1006.3	21	28	E	27	N	10	.10	.....
24.....	1009.0	28	12	NE	5	E	35	.....	.05
25.....	980.1	35	.....	.....	.....	SW	21	.....	.25
26.....	990.4	35	33	SW	21	SW	15	.23	Trace
27.....	1017.4	29	26	NW	21	WNW	27	Trace	Trace
28.....	1024.0	27	23	WNW	21	NW	10	.02	.02
29.....	1023.9	24	20	N	5	Calm	.....	.....	Trace
30.....	1013.2	22	11	SE	15	E	5	.....	.....
31.....	990.4	23	20	NE	27	N	10	Trace	.....

PORT HARRISON METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Oct.					
1	Cloudy.....	Cloudy.....	20	20	No ice in sight.
2	Overcast.....	Showers.....	9	$\frac{1}{2}$	
3	Overcast.....	Partly cloudy...	20	20	
4	Cloudy.....	Int. slight drizzle.	20	9	
5	Slight int. rain..	Int. slight rain..	9	9	
6	Overcast.....	Cloudy.....	9	20	
7	Overcast.....	Overcast.....	30	20	
8	Overcast.....	Snow showers...	20	9	
9	Overcast.....	Drizzle and fog.	9	4	
10	Overcast.....	Distant fog.....	9	9	
11	Partly cloudy...	Slight int. rain..	20	9	
12	Rain and fog....	Slight int. rain..	2	4	
13	Cloudy.....	Slight showers..	9	1	
14	.....	Overcast.....	.....	9
15	.....	Cont. slight snow.	.....	9
16	Overcast.....	Slight showers..	9	9	
17	Cloudy.....	Cloudy.....	9	9	
18	Slight int. snow.	Int. slight snow.	9	9	
19	Partly cloudy...	Partly cloudy...	20	20	
20	Cloudy.....	Slight int. snow.	9	4	
21	Overcast.....	Slight int. snow.	4	4	
22	.....	Overcast.....	.....	9
23	Cont. slight snow.	Partly cloudy...	$\frac{1}{2}$	20	
24	Cloudy.....	Slight snow storm.	20	$\frac{1}{2}$	
25	.....	Slight int. rain..	.....	4
26	Cloudy.....	Slight int. snow.	9	4	
27	Slight int. snow.	Slight int. snow.	9	9	
28	Cloudless.....	Slight snow showers	9	4	
29	Slight int. snow.	Cloudy.....	4	20	
30	Cloudy.....	Overcast.....	20	20	
31	Slight int. snow.	Overcast.....	2	20	

PORT HARRISON METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Mean Baro- meter mb.	Temperature		Wind				Precipitation	
				8.00 a.m.		8.00 p.m.			
		Max.	Min.	Dir.	Vel.	Dir.	Vel.	a.m.	p.m.
1946									
November									
1.....	1014.4	34	17	N	02	SW	10		
2.....	1019.3	35	28	S	10	S	27		
3.....	1005.0	33				SW	27		
4.....	997.8	30	10	W	27	NW	15		
5.....	1005.2	29	24	NW	21	NW	15		
6.....	1009.7	27	24	NNW	15	N	10		
7.....	1014.0	25	17	NNE	15	N	10		
8.....	1009.3	28	07	NE	10	ENE	5		
9.....	1005.1		18	NE	15				
10.....	1001.2	23	22	NE	15	SSW	21	Trace	
11.....	1001.6	29				NW	15		
12.....	1001.9	29	25	W	10	SW	5		
13.....	1001.5	23				NE	5		
14.....	1001.3	17	12	NE	10	NE	10		
15.....	1002.5	30		S	21	N	35		.02
16.....	1001.7	33	29	S	27	S	27	Trace	.01
17.....	984.6	38	32	SSW	35	WNW	50	.07	
18.....	1000.7	12	10	W	50	W	35		.02
19.....	1001.1	10	09	W	15	W	21	.03	.02
20.....	1001.9	12	07	NW	15	W	15	.02	
21.....	1000.9	22	13	W	05	S	10	.02	
22.....	1000.7		14	E	27			.02	
23.....	989.8	25	20	NW	21	W	21		.02
24.....	1001.5	09	07	NE	05	W	10	.02	.01
25.....	1000.2	16	05	W	15	SW	27	.02	.05
26.....	971.5	17	10	SW	27	W	15	.02	.05
27.....	1000.4	07	03	NE	10	NE	35	.02	.02
28.....	1000.5		—09	NE	02			.04	
29.....	1002.1	05	—02	E	05	NE	05	.01	.10
30.....	1004.05		—19	NE	10				

PORT HARRISON METEOROLOGICAL REPORT, 1946—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1946					
Nov.					
1	Partly cloudy...	Overcast.....	20	20	
2	Cloudy.....	Overcast.....	20	9	
3	.....	Slight snow showers.	.....	4	
4	Int. slight snow.	Slight snow showers.	1	9	
5	Int. slight snow.	Int. slight snow.	4	4	
6	Cloudy.....	Partly cloudy...	9	20	
7	Partly cloudy...	Partly cloudy...	20	20	
8	Overcast.....	Overcast.....	20	20	
9	Overcast.....	.....	20	.....
10	Cont. slight snow.	Overcast.....	2	9	
11	.....	Overcast.....	.....	4	
12	Showers of slight or mod. snow.	Int. slight snow.	9	4	
13	.....	Cloudy.....	.....	9	
14	Overcast.....	Cloudless.....	9	20	
15	Overcast.....	Int. slight snow.	20	4	
16	Int. slight rain..	Int. slight rain..	4	4	
17	Overcast.....	Overcast.....	4	4	
18	Snow storm drifting.	Int. slight snow.	$\frac{1}{2}$	4	
19	Cont. slight snow.	Slight snow, showers, mod.	4	4	
20	Int. slight snow.	Int. slight snow.	1	4	Ice forming in river.
21	Int. slight snow.	Slight int. snow.	4	2	
22	Slight int. snow.	.....	4	.....
23	Cont. slight snow.	Slight int. snow.	2	4	
24	Cont. slight snow.	Slight int. snow.	1	4	River frozen. Harbour still clear of ice.
25	Overcast.....	Slight snow storm, low.	4	$\frac{1}{2}$	
26	Slight int. snow.	Cont. slight snow.	$\frac{1}{2}$	1	
27	Slight int. snow.	Int. slight snow.	4	2	
28	Int. slight snow.	.....	2	.....
29	Cont. slight snow.	Low fog.	4	2	
30	Cloudless.....	.....	4	.....

AIDS TO NAVIGATION IN HUDSON BAY AND STRAIT RADIO COAST AND DIRECTION FINDING STATIONS

Station	Call Sign	Calling Wave		Working Wave		Position		Hours of Service	Coast Charge (a)
		(See footnote) K/cs.	Metres	K/cs.	Metres	Latitude N.	Longitude W.		
Churchill.....	V A P	500	600	500	600	58° 46' 32"	94° 10' 31"	Continuous during season of navigation.	6c. per word
Chesterfield Inlet.....	V B Z	500	600	500	600	63° 20' 05"	90° 42' 33"	Continuous during season of navigation.	6c. per word
Nottingham Island.....	V C B	500	600	500	600	63° 06' 18"	77° 56' 18"	Continuous during season of navigation.	6c. per word
Cape Hopes Advance.....	V A Y	500	600	500	600	61° 05' 12"	69° 33' 24"	Continuous during season of navigation.	6c. per word
Resolution Island.....	V A W	500	600	500	600	61° 18' 30"	64° 53' 24"	Continuous during season of navigation.	6c. per word

All stations maintain watch on 500 K/cs. (600 metres) and with the exception of Resolution island, take and transmit bearings on 375 K/cs. (800 metres) after communication has been established on 500 K/cs. (600 metres). Resolution island takes bearings on 500 K/cs. (600 metres) and transmits bearings on 375 K/cs. (800 metres).

(a) All messages relative to navigation are handled free of charge. The six-cent per word coast charge applies to all other traffic. For forwarding charges beyond Churchill apply to any of above stations or see Canada Rate Sheet, International List of Coast and Ship Stations.

RADIO METEOROLOGICAL REPORTING STATION

Station	Call Sign	Calling Wave		Working Wave		Position		Hours of Service	Coast Charge
		K/cs.	Metres	K/cs.	Metres	Latitude N.	Longitude W.		
Port Harrison.....	V A L	500	600	420	714	58° 27' 17"	78° 08' 20"	Keeps watch on 500 K/cs. (600 metres) for fifteen minute periods commencing at every odd hour from 7.00 a.m. to 7.00 p.m. E.S.T. inclusive, during season of navigation.	6c. per word See note (a) above.

PATROL SHIP

Station	Call Sign	Calling Wave		Working Wave		Hours of Service	Remarks
		K/cs.	Metres	K/cs.	Metres		
C. G. S. N. B. <i>McLean</i>	C G S N	500	600	425	706	Continuous during season of navigation.	Normally this vessel patrols Hudson strait during the season of navigation. Information in regard to her position may be obtained from any Radio Station in the Strait.

LIGHTS

Location	Position		Character	Elevation	Remarks
	Latitude N.	Longitude W.			
† Goodwin island, Button islands group.	60° 41' 31"	64° 40' 22"	Flashing.....	259 ft.	On unpainted wooden pole.
Resolution island.....	61° 18' 28"	64° 53' 16"	Flashing.....	129 ft.	White square, wooden lantern on wooden skeleton base. One flash every ten seconds.
Cape Hopes Advance.....	61° 05' 14"	69° 33' 23"	Fixed.....	270 ft.	On unpainted wooden pole.
† Wales island.....	61° 51' 37"	71° 58' 19"	Flashing.....	150 ft.	On unpainted wooden pole.
† Ashe inlet.....	60° 31' 40"	70° 33' 27"	Flashing.....	191 ft.	On unpainted wooden pole.
† East end of Charles island.....	60° 36' 40"	73° 56' 09"	Flashing.....	150 ft.	On unpainted wooden pole.
† West end of Charles island.....	62° 42' 30"	74° 40' 00"	Flashing.....	40 ft.	On unpainted wooden pole.
† Nottingham island.....	63° 05' 48"	77° 56' 55"	Flashing.....	50 ft.	On unpainted wooden pole.
† Digges island.....	62° 35' 20"	78° 06' 42"	Flashing.....	65 ft.	On unpainted wooden pole.
† Mansel island.....	62° 27' 00"	79° 38' 00"	Flashing.....	41 ft.	On unpainted wooden pole.
† Coates island.....	62° 10' 00"	83° 08' 00"	Flashing.....	40 ft.	On unpainted wooden pole, surrounded by white lattice.
† Hubbard point.....	59° 21' 00"	94° 40' 00"	Flashing.....	50 ft.	On unpainted wooden pole.

† Unwatched.

C.G.S. *N. B. McLEAN*—HUDSON STRAIT PATROL SHIP
GENERAL DIMENSIONS AND EQUIPMENT

The C.G.S. *N. B. McLean* is a twin-screw ice breaking steamer of 6,500 indicated horse-power and with the following leading dimensions:—

Length (B.P.).....	260 feet
Breadth (moulded).....	60 “
Depth (moulded).....	31 “
Gross tonnage.....	3,253 tons
Fuel oil capacity.....	1,596 “

The vessel is equipped with a patent towing winch furnished with both steel wire and manila towing hawsers, a searchlight, two 7-ton derricks and two motor launches.

She also carries a diver and complete diving apparatus and the following salvage gear:—

- 1 Dake centrifugal pump, 10 inch.
- 1 Smart Turner centrifugal pump, 8 inch.
- 1 Duplex pump, 6 inch.

These pumps are completely equipped with flexible suction and discharge pipes, foot valves, syphons, etc., and all necessary auxiliaries.

One hundred and fifty feet of bronze flexible steam hose with connections, patching gear, shores, turnbuckles and all necessary tools are also provided.

The vessel is provided with a gyro compass, recording echo sounder, radio-telegraph, radiotelephone and radar apparatus.

The *N. B. McLean* is normally in Hudson Strait from the opening to the close of navigation each year and maintains constant watch on 500 kc (600 metres), call sign CGSN.

GLOSSARY OF TERMS USED IN ICE NAVIGATION

-
- Floe.....A large mass of floating ice.
- Pan.....A small floe or piece of ice that can be forced aside or slewed.
- A field.....A large body of ice that may be seen around.
- Land floe.....Ice frozen fast to the shore.
- Packed ice.....Small pieces of ice closed together and held by the pressure of ice and currents.
- Ice blink.....A peculiar pale yellow reflection on the sky indicating the presence of ice in the distance.
- The ice pack.....A large body of solid ice extending across the whole sea and through which it is impossible to advance.
- Slack or open ice....Detached ice that can be worked through. Ice is said to be slacking when it begins to open up so as to be navigable.
- A lead.....A strip of navigable water opening into the pack.
- Hummocky ice.....Rough, uneven or thick ice.
- Slob.....Snow afloat and forming into ice.
- Water sky.....A dark or bluish appearance of the sky indicating open water beyond the ice pack.
- Rafting.....Occurs when two pans meet with force either by the action of winds or currents, the edges are broken off and either rise on top of or pass under the body of the other.
- Growler.....A more or less washed and rounded lump of ice which rolls about in the water; formed from broken-up bergs or detached pieces of heavy old Arctic floe ice.
- Collar ice.....The margin of ice frozen fast to an island or shore, presenting an abrupt wall against which the floating ice rises and falls with the tide.

